EPA Registration No. 87583-2 Vol. 1

Kevin Kutcel
Consultant for PureShield, Inc.
KRK Consulting LLC
5807 Churchill Way
Medina, OH 44256

FEB 1 2012

SUBJECT: Bio-Protect AM500
EPA Registration Number: 87583-2
Application Date: October 31, 2011
Receipt Date: November 3, 2011

Dear Mr. Kutcel:

This letter acknowledges receipt of the amendment identified above submitted under the provisions of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended.

- Submission of two Alternate Formulations

The Alternate Confidential Statements of Formula (CSF) dated 12/28/11 have been reviewed. This amendment is unacceptable based on the following deficiencies.

1) This product was registered as a 100% repack. A decision to formulate this product instead of repacking requires the submission of product chemistry data, Group A and B. Your proposed CSFs dated 12/28/11 indicate that you intend to formulate.

2) [redacted] Product chemistry data on this formulation must be submitted to support this change.

3) This type of change is a PRIA action, A570, 120 day time frame with the associated fee of $3473.00.

CONCURRENCES								
SYMBOL								
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DATE								

In addition, several corrections are required on the CSFs. Make these corrections prior to resubmitting for review.

The source of active ingredient concentration must be corrected to agree with the label of that product (71.2%). Then recalculate the nominal concentration such that you are adding the appropriate amount of active ingredient to meet the label claim of 5%. Also indicate the corrected upper and lower certified limits for the AI.

General Comments

Please reply to the Agency by submitting revised CSFs and Product Chemistry data for review. In addition, submit a Certification with Respect to Citation of Data form along with Generic and Product Specific Data Compensation. Should you have any questions concerning this letter, please contact Tracy Lantz at (703) 308-6415.

Sincerely,

Tracy Lantz

for

Velma Noble
Product Manager (31)
Regulatory Management Branch I
Antimicrobials Division (7510P)

7510P:T.Lantz:2/1/2012:87583-2 unacc CSF

	CONCURRENCES							
SYMBOL								
SURNAME								
DATE								

Manufacturing process information may be entitled to confidential treatment

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

EPA United States Environmental Protection Agency **Office of Pesticide Programs**

Antimicrobials Division (AD)

February 1, 2012

Final

DP BARCODE:	396154
MRID:	N/A
SUBJECT:	Bio-Protect AM500
REG. NO.:	87583-2
DOCUMENT TYPE:	Product Chemistry Review

Manufacturing-use [ ] OR End-use Product [X]

INGREDIENTS:

PC Code(s)	CAS Number	Active Ingredient(s):
[redacted]		

TEST LAB:	N/A
SUBMITTER:	PureShield Inc.
GUIDELINE:	N/A
ORGANIZATION:	AD\PSB\CTT
REVIEWER:	Lynette T. Umez-Eronini
APPROVED BY:	Karen P. Hicks
APPROVED DATE:	January 31, 2011
COMMENT:	This product is for non-food use.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

EPA United States Environmental Protection Agency **Office of Pesticide Programs**

Antimicrobials Division (AD)

February 1, 2012

MEMORANDUM

SUBJECT:	Product Chemistry Review for EPA Reg. 87583-2 Product Name: BioProtect AM500 DP Barcode: 396154
CODE:	A362
DATE DUE:	February 1, 2012
FROM:	Lynette T. Umez-Eronini, Chemist Chemistry and Toxicology Team Product Science Branch Antimicrobials Division (7510P)
THRU:	Karen Hicks, Team Leader Chemistry and Toxicology Team Product Science Branch Antimicrobials Division (7510P)
TO:	Velma Noble PM#31/Tracy Lantz Regulatory Management Branch I Antimicrobials Division (7510P)
Applicant:	PureShield Inc.

PRODUCT FORMULATION FROM LABEL:

Active Ingredient:	% by wt.
[redacted]	[redacted]
Other Ingredient(s):	[redacted]
Total:	100.0

BACKGROUND:

The consultant, KRK Consulting LLC, on behalf of the registrant, PureShield Inc., has submitted a proposed amendment to add alternate #s (1 & 2) formulations for Bio-Protect AM500 (Reg. No. 87583-2). The basic CSF (Reg. No. 87583-2), dated May 10, 2010 is a 100% repack of [redacted]

Bio-Protect AM500 is an end-use product. This product is produced by non-integrated formulation system. The product is a microbiostatic agent that is used in paints and coatings as an in-can preservative for protection of paint film and coating film. This product is for non-food use.

[redacted]

The original data package included:

1. A letter from the applicant's representative to EPA, dated October 31, 2011.
2. A copy of the basic formulation (87583-2), dated May 10, 2010.
3. Two copies of two alternate formulations (87583-2), one dated October 13, 2011 and the other November 13, 2011. The said alternate formulations lack an identifier.
4. EPA Form 8570-1 (Amendment), dated October 31, 2011.
5. EPA Form 8570-34 (Certification with Respect to Citation of Data), dated May 13, 2011.
6. EPA Form 8570-35 (Data Matrix), dated May 13, 2011.

A revised data package included a copy of Alternate #s (1 & 2) formulations, dated December 28, 2011 and a proposed product label, sent via e-mail on December 28, 2011.

[redacted]

FINDINGS:

1. The registrant suggested that the purity of the active ingredient from the registered source (87583-1) is 71.2% as "...trimethoxy..." However the registered source consists 72% "...trimethoxy..."
2. The nominal concentration of the active ingredient on alternate #1 and #2 Formulations is inconsistent with their product label and must be 5% as per label.
3. The alternate #2 formulation differs from the basic formulation: therefore, alternate #2 formulation is a new product.
4. The registrant is using "commodity" terminology in column 10.

CONCLUSION:

Product Science Branch of Antimicrobials Division finds the submission for 87583-2 to add alternate formulations #1 and #2, dated December 28, 2011 to be unacceptable. Alternate #1 formulation must be updated (see Findings and Recommendations). Alternate #2 formulation represents a new product.

RECOMMENDATIONS:

1. The registrant must correct the percent purity of the active source (87583-1) to read 72% of methoxy from note #1 of the CSF. [redacted]
2. On alternate #1 formulation, the registrant must correct the percent purity of the active ingredient to 5% as per label.
3. The registrant must set the nominal concentration of the active ingredient to be 5% according the basic formulation. The basic formulation is a repack that represents 5% as per label.
4. On column 11, of the Formulations, the registrant must delete the term [redacted] and insert the supplier name and address.

Please Read All Instructions Before Completing This Form (Form must be typed)   Form Approved. OMB No. 2070-0044. Approval expires [illegible]

United States
Environmental Protection Agency
Office of Pesticide Programs (7505C)
Washington, DC 20460

Notice of Supplemental Distribution of a Registered Pesticide Product

Instructions

After a registrant has obtained final registration for the basic product, the registrant may then supplementally

distributor involved. The basic registration number and the distributor company number must be shown.

If a registrant has a potential distributor who does not have a company number assigned, she/he should have the distributor apply, on letterhead stationery, to the Registration Division to have a number assigned prior to submitting this form to the agency.

This Notice of Supplemental Distribution must be submitted by the basic registrant. The completed form must have the concurrence and signature of both the registrant and the distributor.

EPA Registration Number of Product	Distributor Company Number
87583-2	86550

Note: Do not submit distributor product labels

Name of Registered Product (basic product name accepted by EPA)	Distributor Product Name
Bio-Protect Am500	ProGenics

Name and Address of Distributor (Type; include ZIP code)

ProVetLogic LLC
638A East Willow Street
Scottsboro, AL 35768

Read All Conditions Before Signing

1. The distributor product must have the same composition as the basic product.
2. The distributor product must be manufactured and packaged by the same person who manufactures and packages the registered basic product.
3. The labeling for the distributor product must bear the same claims as the basic product, provided, however, that specific claims may be deleted if by doing so, no other changes to the label are necessary.
4. The product must remain in the manufacturer's unbroken container.
5. The label must bear the EPA registration number of the basic product, followed by a hyphen and the distributor's company number.
6. Distributor product labels must bear the name and address of the distributor qualified by such terms as "packed for...", "distributed by...", or "sold by..." to show that the name is not that of the manufacturer.
7. All conditions of the basic registration apply equally to distributor products. It is the responsibility of the basic registrant to see that all distributor labeling is kept in compliance with requirements placed on the basic product.

Distributor

We intend to market our product under the Distributor Product Name specified above, subject to the conditions specified on this Notice.

Signature and Title of Distributor: [signature] member   Date: 06-09-11

Registrant

I agree that the distributor named above may distribute and sell the Distributor Product specified above, subject to the conditions specified on this Notice.

Signature and Title of Registrant: [signature]   Date: 6-11-11

EPA Form 8570-5 (Rev. 8-94) Previous editions are obsolete.   White - EPA

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Kevin Kutcel
PureShield Inc.
1445 Jupiter Park Dr., #11
Jupiter, FL 33458

MAY 20 2011

SUBJECT: Bio-Protect AM 500
EPA Registration Number: 87583-2
Application Date: April 12, 2011
Receipt Date: April 20, 2011

Dear Mr. Kutcel:

This letter acknowledges receipt of the notification identified above submitted under provisions of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) as amended and PR Notice 98-10.

- Propose the additional brand name: Black by Trophy Quest.

Based on a review of the submitted information, this notification is acceptable. Your proposed additional brand name will be made part of the record for this file.

General Comments

Should you have any questions concerning this letter, please contact Emilia Oiguenblik at (703) 347-0109 or Velma Noble at (703) 308-6233.

Sincerely,

Velma Noble
Product Manager (31)
Regulatory Management Branch I
Antimicrobials Division (7510P)

	CONCURRENCES						
SYMBOL							
SURNAME							
DATE							

EPA Form 1320-1A (1/90) *Printed on Recycled Paper* OFFICIAL FILE COPY

C/O

Please Read All Instructions Before Completing this Form *(Form must be typed)* Form Approved. OMB No. 2070-0044. Approval Expires 1-31-88

Print Form

United States
Environmental Protection Agency
Office of Pesticide Programs (7505C)
Washington, DC 20460

Notice of Supplemental Distribution of a Registered Pesticide Product

Instructions

After a registrant has obtained final registration for the basic product, the registrant may then supplementally distribute his/her product. One form must be submitted for each distributor product and must be signed by the distributor involved. The basic registration number and the distributor company number must be shown.

If a registrant has a potential distributor who does not have a company number assigned, she/he should have the distributor apply, on letterhead stationery, to the Registration Division to have a number assigned prior to submitting this form to the agency.

This Notice of Supplemental Distribution must be submitted by the basic registrant. The completed form must have the concurrence and signature of both the registrant and the distributor.

EPA Registration Number of Product	Distributor Company Number
87583-2 17A/1.2	85926

Note: Do not submit distributor product labels

Name of Registered Product *(basic product name accepted by EPA)*	Distributor Product Name
Bio-Protect AM500	XMicrobe 5%

Name and Address of Distributor *(Type; include ZIP code)*

BioShield Services LLC
7721 SW Ellipse Way
Stuart, FL 34997

Read All Conditions Before Signing

1. The distributor product must have the same composition as the basic product.
2. The distributor product must be manufactured and packaged by the same person who manufactures and packages the registered basic product.
3. The labeling for the distributor product must bear the same claims as the basic product, provided, however, that specific claims may be deleted if by doing so, no other changes to the label are necessary.
4. *The product must remain in the manufacturer's unbroken container.*
5. The label must bear the EPA registration number of the basic product, followed by a hyphen and the distributor's company number.
6. Distributor product labels must bear the name and address of the distributor qualified by such terms as "packed for...","distributed by..."; or "sold by..." to show that the name is not that of the manufacturer.
7. All conditions of the basic registration apply equally to distributor products. It is the responsibility of the basic registrant to see that all distributor labeling is kept in compliance with requirements placed on the basic product.

Distributor

We intend to market our product under the Distributor Product Name specified above, subject to the conditions specified on this Notice.

Signature and Title of Distributor: President

Date: 5-2-11

Registrant

I agree that the distributor named above may distribute and sell the Distributor Product specified above, subject to the conditions specified on this Notice.

Signature and Title of Registrant: President

Date: 5-2-11

EPA Form 8570-5 (Rev. 8-94) Previous editions are obsolete. 1 White - EPA

Please Read All Instructions Before Completing this Form *(Form must be typed)* Form Approved. OMB No. 2070-0044. Approval Expires 1-31-98

Print Form

United States

Environmental Protection Agency

Office of Pesticide Programs (7505C)
Washington, DC 20460

Notice of Supplemental Distribution of a Registered Pesticide Product

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This Notice of Supplemental Distribution must be submitted by the basic registrant. The completed form must have the concurrence and signature of both the registrant and the distributor.

EPA Registration Number of Product	Distributor Company Number
87583-2 17A/1.2	85926

Note: Do not submit distributor product labels

Name of Registered Product *(basic product name accepted by EPA)*	Distributor Product Name
Bio-Protect AM500	HealthinEx

Name and Address of Distributor *(Type; include ZIP code)*

BioShield Services LLC
7721 SW Ellipse Way
Stuart, FL 34997

Read All Conditions Before Signing

1. The distributor product must have the same composition as the basic product.
2. The distributor product must be manufactured and packaged by the same person who manufactures and packages the registered basic product.
3. The labeling for the distributor product must bear the same claims as the basic product, provided, however, that specific claims may be deleted if by doing so, no other changes to the label are necessary.
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Date: 5-2-11

Registrant

I agree that the distributor named above may distribute and sell the Distributor Product specified above, subject to the conditions specified on this Notice.

Signature and Title of Registrant: President

Date: 5-2-11

EPA Form 8570-5 (Rev. 8-94) Previous editions are obsolete. White - EPA

Black

by Trophy Quest

MICROBIOSTATIC AGENT *
A Silicone Quaternary Ammonium Salt

Active Ingredient: 3-(trimethoxysilyl) propyldimethyloctadecyl ammonium chloride.....5.0%
Other Ingredients: 95.0%
TOTAL INGREDIENTS: 100.0%

KEEP OUT OF REACH OF CHILDREN

WARNING

EPA Reg. No. 87583-2 EPA EST. xxxxx-xx-xxxx

NET CONTENTS: 2, 4, 8, 16, 20, 22, or 36 fluid oz.; 1, 5, 55, 150, or 300 gal.

FIRST AID
IF IN EYES: • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. • Call poison control center or doctor for treatment advice.
IF INHALED: • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
IF ON SKIN: • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
IF SWALLOWED: • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.

*A microbiostatic agent is an agent that inhibits the growth of odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae.
This product does not protect users or others against food-borne or disease-causing bacteria.

PURESHIELD INC , 1445 Jupiter Park Drive # 11, Jupiter, Florida 33458

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING: Causes substantial but temporary eye injury. Harmful if absorbed through skin or inhaled. Do not get in eyes. Avoid contact with skin and avoid breathing vapor.
Wear protective eyewear (goggles or face shield). Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS

Commercial and industrial uses: This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge
Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

De-activation may be required during clean up if a spill occurs. De-activation of Pathene can be achieved by the addition of anionic surfactant (such as soap, sulfonates, sulfates) in quantity equivalent to that of Pathene.

Homeowner use: This pesticide is toxic to fish. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of pesticide.

DIRECTIONS FOR USE

Approved commercial and Industrial Applications

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Wear protective eyewear (goggles or face shield) and gloves when using this product. Dry treated areas and articles such as clothing before use. Remove children and pets from treated area until completely dry.

Prepare solution by simply adding Pathene to solvent and stirring. Pathene can also be diluted by adding 0.2 to 2 fluid ounces of Pathene per cup (3.2 to 32 fluid ounces of Pathene per gallon) of water or other solvents (for example, alcohol and ketones) and than applied to organic or inorganic substrates by brushing, dipping, padding, soaking, spraying, fogging or by using foam finishing techniques to give a final treatment of 0.1 to 1.0 percent by weight active ingredient.

Dry substrates at temperatures from ambient to a maximum of 160° C (320° F) to effect complete condensation of silanol groups and to remove water, solvents and/or traces of methanol from hydrolysis. Optimum application and drying conditions, such as time and temperature, should be determined for each application before use. If necessary, reapply Pathene every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.

Pathene when used as a concrete additive is added directly concrete preparation. Use 6 fluid ounces Pathene per cubic feet of concrete. Add to water before addition of concrete. Addition of Pathene reduces deterioration of sewer pipes and manholes by inhibiting microbiologically induced corrosion.

Pathene when used as an additive for paints and coatings is added directly during preparation of the paint or coating. Use 5 pounds of Pathene per 100 pounds of paint or coating (or 1 pound Pathene per 20 pounds paint/coating). The addition of the antimicrobial agent (Pathene) to paints at the point of manufacture preserves the paint in the can as well as the dried paint film. Pathene inhabits the growth of odor causing bacteria, bacteria which causes staining and discoloration, fungi (mold and mildew), and algae on the surface of dried films and coatings.

Approved commercial and industrial applications

The active ingredient in Pathene is effective against odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew) and algae as a static agent. Pathene can be used as a final bacteriostatic finish on the following items to impart bacteriostatic/fungistatic (mold and mildew) activity.

- Air Filters for furnaces, air-conditioners, air purification devices, automobiles, recirculating air handling systems.
- Air filters/materials
- Aquarium filter material
- Bed sheets, blankets, and bedspreads
- Buffer pads (abrasive and polishing)
- Carpets and draperies
- Cellulose sponges
- Concrete additive for sewer pipes, manholes and concrete sewer structures; not to be used in treatment of storm drains
- Concrete additive for repair and renewal of sewer pipes and manholes and concrete sewers structures; not to be used in treatment of storm drains
- Exterior walls (such as stone, concrete, brick)
- Fiberfill for upholstery, sleeping bags, apparel, where the fiber is cotton, natural down, nylon, polyester, rayon, or wool
- Fiberglass duct board
- Fire hose fabric
- Humidifier belts
- Mattress pads and ticking
- Men's underwear and outerwear
- Non-woven disposable diapers
- Non-woven polyester
- Outerwear apparel (jackets, sweaters, sweatshirts, coats, raincoats, overcoats, jerseys, ponchos)
- Pathene can be used in paints and coatings as an in-can preservative for protection of paint film and coating film. Types of paints and coatings include: latex indoor/outdoor

paints and stains, woodstains, architectural paints, lacquer and maintenance coatings, films, laminates and finishes including alkyd, urethane, enamel, epoxy, siloxaline, amino resins, textile coatings, extrusion, coatings, architectural coatings and overlays, anti-corrosion coatings, fire-resistant coatings, aliphatic coatings, vinylester and polyester coatings, gel coating, amino resins, resins used as additive mixes for cement, epoxy laminating resins, and blends and copolymers thereof;

- Polyurethane and cellulose foam for household, industrial, and institutional sponges and mops
- Polyurethane and polyethylene foam, when covered
- Polyurethane foam for packaging and cushioning in non-food contact applications
- Polyurethane foam used as a growth medium for non-food crops and plants
- Pre-moistened towelettes and tissue wipes (these do not impart pesticidal properties)
- Roofing materials – defined as shingles, roofing granules, wood shakes, felt, stone and synthetic overcoats
- Sand bags, tents, tarpaulins, sails, and ropes
- Athletic and casual socks
- Shoe insoles
- Shower curtains
- Socks comprised of nylon, nylon/orlon, cotton/nylon, linen/Lycra, acrylic/polypropylene, nylon, Lycra, wood/silk/nylon/Lycra and wool/acrylic/nylon/Lyrca
- Throw rugs Toweling made of 100 percent cotton, 100 percent polyester, and blends of the two fibers
- Toilet Tank and seat covers
- Umbrellas
- Upholstery made of acetates, acrylics, cotton, fiberglass, nylon, polyester, polyethyiene, polyolefins, polyptopylene, rayon, spandex, vinyl, wool
- Vacuum cleaner bags and filters
- Vinyl paper-wallpaper for non-food contact surfaces
- Disposable wiping cloths that can be used for multiple purposes such as dusting or washing furniture, cars, walls, windows, floors, appliances, dishes, counter tops; the wiping cloths do not impart pesticide properties
- Woman's hosiery
- Woman's intimate apparel

DIRECTIONS FOR USE

Approved commercial appliances used in homes, offices, automobiles and institutions e.g., schools, hospitals, daycare centers, churches, correctional facilities

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Wear protective eyewear (goggles and face shield) and gloves when using this product. Dry treated areas and articles such as clothing before use. Remove children and pets from treated area until completely dry. Clean surfaces prior to application.

For Pump Spray Application: Dilute 8 ounces of Pathene per gallon of water (2 oz. per quart; 1oz. per pint). Using pump sprayer, spray entire area 4"-6"s from the surface making sure the

surface is completely covered. Apply and then let stand until dry or let stand 3 minutes and wipe dry with cloth of sponge. If spotting occurs, wipe with moist cloth or sponge. Test for staining and color-fastness of fabrics and carpets by treating and drying a small, concealed area prior to application. Pathene treats approximately 200 square feet per diluted gallon of water. When treating coarser substrates, more Pathene may be required due to absorption. A fan may be used to assist in drying carpet.

For Commercial Spray Application: For commercial application equipment (i.e. carpet/upholstery steamers, rotary jet extraction cleaners, and pressure sprayers) dilute 8 ounces of Pathene per gallon of water (2oz. per quart; 1oz. per pint); mix well. Apply and then let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. Test for staining and color-fastness of fabrics and carpets by treating and drying a small, concealed area prior to application. . Pathene treats approximately 200 square feet per diluted gallon of water. When treating coarser substrates, more Pathene may be required due to absorption. Dry carpet areas and surfaces before re-entry and dry articles before use. A fan may be used to assist in drying carpet.

For Dipping/Soaking Application: Use appropriate sized wash basin or tub for dipping/soaking the item you are treating. Use enough Pathene solution to completely submerge item. Dilute 8 ounces of Pathene per gallon of water (2oz. per quart; 1oz. per pint); mix well. Completely submerge item in solution for 3 minutes. Remove item and dry. Test for staining and color-fastness of fabrics by treating and drying a small, concealed area prior to application. Do not reuse solution after dipping/soaking.

The substrate can be dried at room temperature or at temperatures to a maximum of 160°C (320°F), for example in a clothes dryer. Remove excess liquid before attempting to dry in a clothes dryer. If necessary, reapply Pathene every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.

Approved commercial applications in homes, offices, automobiles, and institutions e.g., schools, hospitals, day care centers, banks, churches, correctional facilities

The active ingredient in Pathene is effective against odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew) and algae as a static agent.
Pathene can be used as a final bacteriostatic finish on the following items to impart bacteriostatic/fungistatic (mold and mildew) activity.

- Air Filters for furnaces, air-conditioners, air purification devices, automobiles, recirculating air handling systems.
- Air filters/materials
- Aquarium filter material
- Bed sheets, blankets, and bedspreads
- Buffer pads (abrasive and polishing)
- Carpets and draperies
- Cellulose sponges
- Concrete additive for sewer pipes, manholes and concrete sewer structures, not to be used in treatment of storm drains

- Concrete additive for repair and renewal of sewer pipes and manholes and concrete sewers structures; not to be used in treatment of storm drains
- Exterior walls (such as stone, concrete, brick)
- Fiberfill for upholstery, sleeping bags, apparel, where the fiber is cotton, natural down, nylon, polyester, rayon, or wool
- Fiberglass duct board
- Fire hose fabric
- Humidifier belts
- Mattress pads and ticking
- Men's underwear and outerwear
- Non-woven disposable diapers
- Non-woven polyester
- Outerwear apparel (jackets, sweaters, sweatshirts, coats, raincoats, overcoats, jerseys, ponchos)
- Pathene can be used in paints and coatings as an in can preservative for protection of paint film and coating film. Types of paints and coatings include: latex indoor/outdoor paints and stains, woodstains, architectural paints, lacquer and maintenance coatings, films, laminates and finishes including alkyd, urethane, enamel, epoxy, siloxaline, amino resins, textile coatings, extrusion, coatings, architectural coatings and overlays, anti-corrosion coatings, fire-resistant coatings, aliphatic coatings, vinylester and polyester coatings, gel coating, amino resins, resins used as additive mixes for cement, epoxy laminating resins, and blends and copolymers thereof;
- Polyurethane and cellulose foam for household, industrial, and institutional sponges and mops
- Polyurethane and polyethylene foam, when covered
- Polyurethane foam for packaging and cushioning in non-food contact applications
- Polyurethane foam used as a growth medium for non-food crops and plants
- Pre-moistened towelettes and tissue wipes (these do not impart pesticidal properties)
- Roofing materials – defined as shingles, roofing granules, wood shakes, felt, stone and synthetic overcoats
- Sand bags, tents, tarpaulins, sails, and ropes
- Athletic and casual socks
- Shoe insoles
- Shower curtains
- Socks comprised of nylon, nylon/orlon, cotton/nylon, linen/Lycra, acrylic/polypropylene, nylon, Lycra, wood/silk/nylon/Lycra and wool/acrylic/nylon/Lyrca
- Throw rugs Toweling made of 100 percent cotton, 100 percent polyester, and blends of the two fibers
- Toilet Tank and seat covers
- Umbrellas
- Upholstery made of acetates, acrylics, cotton, fiberglass, nylon, polyester, polyethylene, polyolefins, polyptopylene, rayon, spandex, vinyl, wool
- Vacuum cleaner bags and filters
- Vinyl paper-wallpaper for non-food contact surfaces

- Disposable wiping cloths that can be used for multiple purposes such as dusting or washing furniture, cars, walls, windows, floors, appliances, dishes, counter tops; the wiping cloths do not impart pesticide properties
- Women's hosiery
- Women's intimate apparel

DIRECTIONS FOR USE

For homeowner applications

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Wear protective eyewear (goggles or face shield) and gloves when using this product. Dry treated areas and articles such as clothing before use. Remove children and pets from treated area until completely dry. Clean surfaces prior to application.

Approved homeowner uses

The active ingredient in Pathene is effective against odor-causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae as a static agent. Pathene can be used as a final bacteriostatic finish on the following items to impart bacteriostatic/fungistatic (mold and mildew) activity.

	Pest controlled	Dilution Rate	Method of Application
Bedsheets, blankets, bedspreads, curtains, draperies (washable only), underwear, socks, intimate apparel, hosiery, throw rugs, toweling, toilet tank covers, shower curtains, shoe insoles, outerwear apparel (jackets, sweaters, sweatshirts, coats, raincoats, overcoats, jerseys, ponchos). Pathene can be applied to fabrics	Odor-causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew)	8 oz / gallon 2 oz / quart 1 oz / pint	**DIP/SOAK:** Dilute Pathene in water; mix well. Use appropriate sized wash basin or tub for dipping/soaking the item you are treating. Use enough Pathene solution to completely submerge item. Keep item in solution for 3 minutes. Remove item and wring excess liquid from treated item. For larger items (e.g. bedspreads, curtains, draperies), place in washing machine on spin cycle to aid in the removal of excess liquid. Test staining and color-fastness of fabric and carpets by treating and drying a small concealed area prior to application. Do not reuse solution after dipping/soaking. Dry treated articles before use. Substrates can be hang-dried at room temperature or at temperatures to a maximum of 160°C (320°F), (for example, in a clothes dryer). If necessary, reapply Pathene every three months or

made of acetates, acrylics, cotton, fiberglass, linen, Lycra, nylon, orlon, polyester, polyethylene, polyolefins, polypropylene, rayon, silk, spandex, vinyl, and wool.			when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return. **SPRAY:** Dilute Pathene in water; mix well. Clean surface prior to application. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 4"-6" from the surface, making sure the surface is completely covered. Let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. Test staining and color-fastness of fabric by treating and drying a small concealed area prior to application. If necessary, reapply Pathene every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.
	Pest controlled	**Dilution Rate**	**Method of Application**
Air filters and air filter material for: • Furnaces, air conditioners • Air purification systems • Automobiles • Recirculating air handling systems • Vacuum cleaner filters • Aquariums	Odor-causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae	8 oz / gallon 2 oz / quart 1 oz / pint	**SPRAY:** Dilute Pathene in water; mix well. When treating filters, remove filter from the unit. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 4"-6" from the surface, making sure the surface is completely covered. Apply and then let stand until dry. If necessary, reapply Pathene every three months or when odor, staining and discoloration due to bacteria, mold stains, mildew stains, and algae stains return.
	Pest controlled	**Dilution Rate**	**Method of Application**

Carpeting	Odor-causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew)	8 oz / gallon 2 oz / quart 1 oz / pint	**SPRAY:** Dilute Pathene in water; mix well. Apply to clean carpet surface. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 4"-6" from the surface, making sure the surface is completely covered. For rotary jet extraction cleaners and carpet steamers, add the diluted Pathene solution directly to the cleaning tank, then operate the equipment in accordance with manufacturer's instructions. Apply and then let stand until dry. Test staining and color-fastness of carpets by treating and drying a small concealed area prior to application. Pathene treats approximately 200 square feet per diluted gallon of water. When treating coarser substrates (e.g., wool carpeting), more Pathene may be required due to absorption. Dry carpet areas and surfaces before re-entry. A fan may be used to assist in drying carpeting. Remove children and pets from treated area until completely dried. If necessary, reapply Pathene every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.
	Pest controlled	**Dilution Rate**	**Method of Application**
Mattress pad and mattress ticking and upholstery composed of acetates, acrylics, cotton, fiberglass, nylon, polyester, polyethylene, polyolefins, polypropylene, rayon, spandex, vinyl, wool; fiberfill to be used in upholstery, sleeping bags,	Odor-causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew)	8 oz / gallon 2 oz / quart 1 oz / pint	**SPRAY:** Dilute Pathene in water; mix well. Clean surfaces prior to application. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 4"-6" from the surface, making sure the surface is completely covered. Apply and then let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. Test staining and color-fastness of fabric by treating and drying a small concealed area prior to application. When applying to mattress pads and ticking do not soak. Remove children and pets from treated area until completely dried. If necessary, reapply

apparel, where the fiber is cotton, natural down, nylon, rayon, or wool			Pathene every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.
	Pest controlled	**Dilution Rate**	**Method of Application**
Tents, tarpaulins, sails, ropes.	Odor-causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae	8 oz / gallon 2 oz / quart 1 oz / pint	**SPRAY:** Dilute Pathene in water; mix well. Clean surface prior to application. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 4"-6" from the surface, making sure the surface is completely covered. Let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. Test staining and color-fastness of fabric by treating and drying a small concealed area prior to application. If necessary, reapply Pathene every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return. **DIP/SOAK:** Dilute Pathene in water; mix well. Use appropriate sized wash basin or tub for dipping/soaking the item you are treating. Use enough Pathene solution to completely submerge item. Keep item in solution for 3 minutes. Remove item and wring excess liquid. Test staining and color-fastness of fabric and carpets by treating and drying a small concealed area prior to application. Do not reuse solution after dipping/soaking. Dry treated articles before use. Substrates can be hang-dried at room temperature or at temperatures to a maximum of 160°C (320°F); (for example, in a clothes dryer). If necessary, reapply Pathene every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.
	Pest controlled	**Dilution Rate**	**Method of Application**
Roofing materials	Odor-causing	8 oz / gallon	**SPRAY:** Dilute Pathene in water; mix

(such as shingles, roofing granules, wood shakes, felt, stone, synthetic overcoats) Exterior walls (such as stone, concrete, brick)	bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae	2 oz / quart 1 oz / pint	well. Make sure the roof or wall is clean prior to application. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 6"-12" from the surface, making sure the surface is completely covered. After applying the diluted solution of Pathene, let stand until dry. Pathene treats approximately 200 square feet of roofing or wall per diluted gallon of water. If necessary, reapply Pathene every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.
	Pest controlled	**Dilution Rate**	**Method of Application**
Buffer pads (polishing and abrasive), polyurethane for household sponges and mops, vacuum cleaner bags, umbrellas, casual shoes, athletic shoes	Odor-causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew)	8 oz / gallon 2 oz / quart 1 oz / pint	**SPRAY:** Dilute Pathene in water; mix well. Clean surface prior to application. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 4"-6" from the surface, making sure the surface is completely covered. Let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. If necessary, reapply Pathene every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.
	Pest controlled	**Dilution Rate**	**Method of Application**
Tubs, glazed tile, vanity tops, shower curtains, shower stalls (areas), sinks, washable walls, wall paper for non-food contact, floors, window sills, cabinets, garbage cans, appliances, refrigerators (exterior), fiberglass, formica, glazed	Odor-causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew)	8 oz / gallon 2 oz / quart 1 oz / pint	**SPRAY:** Dilute Pathene in water; mix well. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 4"-6" from the surface, making sure the surface is completely covered. Let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. If necessary, reapply Pathene every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.

tiles, glazed porcelain, synthetic marble, plastic, vinyl			

MOLD, MILDEW, ODOR PROTECTOR AND INHIBITOR Pathene is an antimicrobial agent effective against odor-causing bacteria.
Pathene is an antimicrobial agent effective against bacteria which cause staining and discoloration.
Pathene is an antimicrobial agent effective against fungi (mold and mildew).
Pathene is an antimicrobial agent effective against algae.
Pathene, and antimicrobial agent, controls the source of odors on surfaces in the home, in the bathroom, in the kitchen. (Bacteriostatic, fungistatic (mold and mildew), algaestatic.
Pathene, and antimicrobial agent, inhibits smelly odors caused by mold and mildew that can grow even in the cleanest of homes.
Pathene, and antimicrobial agent, inhibits the growth of odor causing bacteria.
Effective on hard non-porous washable bathroom and kitchen surfaces and fixtures around the home.
Effective on modern hard non-porous washable surfaces like fiberglass, glazed porcelain, Formica®, stainless steel, synthetic marble.
Imparts microbiostatic properties.
Use on carpet and upholstery to inhibit odor-causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew).
Unscented.
Use on carpet and upholstery to inhibit the growth of odor-causing bacteria.
Use on carpet and upholstery to inhibit the growth of bacteria which cause staining and discoloration.
Use on carpet and upholstery to inhibit the growth of fungi (mold and mildew).
Use on carpet and upholstery to inhibit the growth of odor-causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae.
Provides and invisible microbiostatic coating to inhibit the growth of odor-causing bacteria.
Provides and invisible microbiostatic coating to inhibit the growth of bacteria which cause staining and discoloration.
Provides and invisible microbiostatic coating to inhibit the growth of fungi (mold and mildew).
Provides and invisible microbiostatic coating to inhibit the growth of algae.
Provides and invisible microbiostatic coating to inhibit the growth of odor-causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae.
Prevents deterioration caused by bacteria and fungi (mold and mildew).
Inhibits deterioration caused by bacteria.
Resists development of microbial odors.
Resists development of stains and discoloration due to bacteria.
Resists development of stains due to fungi (mold and mildew).
Resists stains due to algae.
Resists development of microbial odors, stains and discoloration due to bacteria, fungi (mold and mildew), and algae.

Provides/creates an invisible barrier to inhibit the growth of odor-causing bacteria.
Provides/creates an invisible barrier to inhibit the growth of bacteria which cause staining and discoloration.
Provides/creates an invisible barrier to inhibit the growth of fungi (mold and mildew).
Provides/creates an invisible barrier to inhibit the growth of algae.
Provides/creates an invisible barrier to inhibit the growth of odor-causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

Pesticide Storage: Store in original, tightly closed containers below 30°C (86°F) and above 0°C (32°F) in a secure area inaccessible to children and away from food or feed.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. **[For homeowner use the statement will read:** "Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site."**]**

Container Disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate, or, if allowed by state and local authorities, dispose of by burning. If burned, stay out of smoke. **[For homeowners use statement will read:** "Container Disposal: Securely wrap original container in several layers of newspaper and discard in trash."**]**

Material Sent for Data Extraction

Reg # 87583-2

Description: _____

☐ Material(s) Sent to Data Extraction Contractors:

- ☐ New Stamped Label Dated _____
- ☑ Notification Dated _____
- ☐ New CSF(s) Dated _____
- ☐ Other: _____

☐ Decision #: 4145249

☐ Other Action/Comments: _____

_____

Attach this coversheet to the top of the material or jacket. It must be well organized and clipped together, NOT STAPLED. Then give the material with this coversheet to staff in the Information Services Center (Room S-4900).

Reviewer: PM Team 31

Phone: (703) 308-8033 Division: AD

Date: 03/9/11

Created February 3, 2011

KRK Consulting LLC
5807 Churchill Way
Medina, OH 44256
Tel: 440-263-7305
E-mail: kevinkutcel@gmail.com

April 12, 2011

US EPA (NOTIF)
Office of Pesticide Programs
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202-4501

Subject: PR Notice 1998-10 Notification for ABN (EPA No. 87583-2)

Please accept the attached 3 copies of the revised label for Reg. No. 87583-2 with the alternate brand name "Black by Trophy Quest" per PR Notice 1998-10.

Attached is EPA Form 8570-1 regarding this notification as required in PR Notice 1998-10. This notification is consistent with the guidance in PR Notice 1998-10 and the requirements of EPA's regulations at 40 CFR 156.46, 156.140, 156.144, 156,146 and 156.156 and no other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand this it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements of PR Notice 98-10 and CFR 156.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Please note that KRK Consulting LLC is the authorized agent handling all correspondence for PureShield Inc. and therefore all responses should be directed to the contact information on the letterhead above.

Best Regards,

Kevin R. Kutcel,
Agent for PureShield Inc.

Please read instructions on reverse before completing form. Form Approved. OMB No. 2070-0060

Print Form

United States Environmental Protection Agency Washington, DC 20460

- [ ] Registration
- [ ] Amendment
- [x] Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number	2. EPA Product Manager	3. Proposed Classification
PureShield Inc. / 87583-2	Velma Noble	[x] None [ ] Restricted
4. Company/Product (Name)	**PM#**	
PureShield Inc. / Bio-Protect AM500	31	

5. Name and Address of Applicant *(Include ZIP Code)*

PureShield Inc.
1445 Jupiter Park Drive, #11
Jupiter, FL 33458

[ ] *Check if this is a new address*

6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to:

EPA Reg. No. _____

Product Name _____

Section - II

- [ ] Amendment - Explain below.
- [ ] Resubmission in response to Agency letter dated _____
- [x] Notification - Explain below.
- [ ] Final printed labels in response to Agency letter dated _____
- [ ] "Me Too" Application.
- [ ] Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Please accept the alternate brand name for Reg. No. 87583-2 of "Black by Trophy Quest" per PR Notice 98-10. Please see attached cover letter for required compliance statement regarding this PR Notice.

Section - III

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging	Unit Packaging	Water Soluble Packaging	2. Type of Container
[ ] Yes* [x] No	[ ] Yes [x] No	[ ] Yes [x] No	[ ] Metal [x] Plastic [ ] Glass [ ] Paper [ ] Other (Specify) _____
* *Certification must be submitted*	If "Yes" Unit Packaging wgt. / No. per container	If "Yes" Package wgt / No. per container	

3. Location of Net Contents Information	4. Size(s) Retail Container	5. Location of Label Directions
[x] Label [ ] Container		[x] On Label [ ] On Labeling accompanying product

6. Manner in Which Label is Affixed to Product [x] Lithograph [ ] Paper glued [ ] Stenciled [ ] Other _____

Section - IV

1. Contact Point *(Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)*

Name	Title	Telephone No. (Include Area Code)
Kevin Kutcel	Consultant	440-263-7305

Certification

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

8. Date Application Received (Stamped)

2. Signature	3. Title	4. Typed Name	5. Date
	Consultant	Kevin Kutcel	4/9/2011

EPA Form 8570-1 (Rev. 8-94) Previous editions are obsolete. White - EPA File Copy (original) Yellow - Applicant Copy

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

EPA United States Environmental Protection Agency **Office of Pesticide Programs**

Kevin R. Kutcel,
KRK Consulting LLC,
5807 Churchill Way,
Medina, OH 44256

MAR 11 2011

Subject: Bio-Protect AM500
EPA Registration No.: 87583-2
Notification Date: 2/9/11
EPA Receipt Date: 2/11/11
Submission #: 890420

Dear Mr. Kutcel ,

This letter acknowledges receipt of your notification submitted under the provision of FIFRA section 3(c)9 and PR Notice 98-10.

Proposed notification request for alternative brand name:

- Pathene

General Comments

Based on a review of the submitted material, your notification of a request for alternative brand names for your product, "Bio Protect AM 500", is acceptable.

Should you have any questions or comments concerning this letter, please contact Velma Noble at (703) 308-6233.

Sincerely,

Velma Noble
Product Manager -31
Regulatory Management Branch
Antimicrobials Division (7510P)

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

KRK Consulting LLC
5807 Churchill Way
Medina, OH 44256
Tel: 440-263-7305
E-mail: kutcel@zoominternet.net

February 9, 2011

US EPA (NOTIF)
Office of Pesticide Programs
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202-4501

Subject: PR Notice 1998-10 Notification for ABN (EPA No. 87583-2)

Please accept the revised label for Reg. No. 87583-2 with the alternate brand name "Pathene" per PR Notice 1998-10.

Attached is EPA Form 8570-1 regarding this notification as required in PR Notice 1998-10. This notification is consistent with the guidance in PR Notice 1998-10 and the requirements of EPA's regulations at 40 CFR 156.46, 156.140, 156.144, 156,146 and 156.156 and no other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand this it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements of PR Notice 98-10 and CFR 156.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Please note that KRK Consulting LLC is the authorized agent handling all correspondence for PureShield Inc and therefore all responses should be directed to the contact information on the letterhead above.

Best Regards,

Kevin R. Kutcel,
Agent for PureShield Inc.

Please read instructions on reverse before completing fo[illegible] Form Approved. OMB No. [illegible]-0060 Print Form

United States
Environmental Protection Agency
Washington, DC 20460

[ ] Registration
[ ] Amendment
[X] Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number	2. EPA Product Manager	3. Proposed Classification
PureShield Inc. / 87583-2	Velma Noble	[X] None [ ] Restricted
4. Company/Product (Name)	**PM#**	
PureShield Inc. / Bio-Protect AM500	31	

5. Name and Address of Applicant *(Include ZIP Code)*

PureShield Inc.
1445 Jupiter Park Drive, #11
Jupiter, FL 33458

[X] *Check if this is a new address*

6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to:

EPA Reg. No. _____

Product Name _____

Section - II

[ ] Amendment - Explain below.
[ ] Resubmission in response to Agency letter dated _____
[X] Notification - Explain below.
[ ] Final printed labels in response to Agency letter dated _____
[ ] "Me Too" Application.
[ ] Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)
Please accept the alternate brand name for Reg. No. 87583-2 of "Pathene" per PR Notice 98-10. Please see attached cover letter for required compliance statement regarding this PR Notice.

Section - III

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging	Unit Packaging	Water Soluble Packaging	2. Type of Container
[ ] Yes* [X] No	[ ] Yes [X] No	[ ] Yes [X] No	[ ] Metal [X] Plastic [ ] Glass [ ] Paper [ ] Other (Specify) _____
* *Certification must be submitted*	If "Yes" Unit Packaging wgt. / No. per container	If "Yes" Package wgt / No. per container	

3. Location of Net Contents Information	4. Size(s) Retail Container	5. Location of Label Directions
[X] Label [ ] Container	2, 4, 8, 16, 20, 32, 36 oz 1, 5, 55, 150, 300 gallons	[X] On Label [ ] On Labeling accompanying product

6. Manner in Which Label is Affixed to Product

[ ] Lithograph
[X] Paper glued
[ ] Stenciled
[ ] Other _____

Section - IV

1. Contact Point *(Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)*

Name	Title	Telephone No. (Include Area Code)
Kevin Kutcel	Consultant	440-953-7305

Certification

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Date Application Received (Stamped)

2. Signature	3. Title	
[signature]	Consultant	
4. Typed Name	**5. Date**	
Kevin Kutcel	2/9/2011	

EPA Form 8570-1 (Rev. 8-94) Previous editions are obsolete. White - EPA File Copy (original) Yellow - Applicant Copy

Pathene

MICROBIOSTATIC AGENT *
A Silicone Quaternary Ammonium Salt

Active Ingredient: 3-(trimethoxysilyl) propyldimethyloctadecyl ammonium chloride.....5.0%
Other Ingredients: 95.0%
TOTAL INGREDIENTS: 100.0%

KEEP OUT OF REACH OF CHILDREN

WARNING

EPA Reg. No. 87583-2 EPA EST. xxxxx-xx-xxxx

NET CONTENTS: 2, 4, 8, 16, 20, 22, or 36 fluid oz.; 1, 5, 55, 150, or 300 gal.

FIRST AID
IF IN EYES: • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. • Call poison control center or doctor for treatment advice.
IF INHALED: • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
IF ON SKIN: • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
IF SWALLOWED: • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.

*A microbiostatic agent is an agent that inhibits the growth of odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae.
This product does not protect users or others against food-borne or disease-causing bacteria.

PURESHIELD INC , 1445 Jupiter Park Drive # 11, Jupiter, Florida 33458

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING: Causes substantial but temporary eye injury. Harmful if absorbed through skin or inhaled. Do not get in eyes. Avoid contact with skin and avoid breathing vapor.
Wear protective eyewear (goggles or face shield). Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS

Commercial and industrial uses: This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge
Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

De-activation may be required during clean up if a spill occurs. De-activation of Pathene can be achieved by the addition of anionic surfactant (such as soap, sulfonates, sulfates) in quantity equivalent to that of Pathene.

Homeowner use: This pesticide is toxic to fish. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of pesticide.

DIRECTIONS FOR USE

Approved commercial and Industrial Applications

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Wear protective eyewear (goggles or face shield) and gloves when using this product. Dry treated areas and articles such as clothing before use. Remove children and pets from treated area until completely dry.

Prepare solution by simply adding Pathene to solvent and stirring. Pathene can also be diluted by adding 0.2 to 2 fluid ounces of Pathene per cup (3.2 to 32 fluid ounces of Pathene per gallon) of water or other solvents (for example, alcohol and ketones) and than applied to organic or inorganic substrates by brushing, dipping, padding, soaking, spraying, fogging or by using foam finishing techniques to give a final treatment of 0.1 to 1.0 percent by weight active ingredient.

Dry substrates at temperatures from ambient to a maximum of 160° C (320° F) to effect complete condensation of silanol groups and to remove water, solvents and/or traces of methanol from hydrolysis. Optimum application and drying conditions, such as time and temperature, should be determined for each application before use. If necessary, reapply Pathene every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.

Pathene when used as a concrete additive is added directly concrete preparation. Use 6 fluid ounces Pathene per cubic feet of concrete. Add to water before addition of concrete. Addition of Pathene reduces deterioration of sewer pipes and manholes by inhibiting microbiologically induced corrosion.

Pathene when used as an additive for paints and coatings is added directly during preparation of the paint or coating. Use 5 pounds of Pathene per 100 pounds of paint or coating (or 1 pound Pathene per 20 pounds paint/coating). The addition of the antimicrobial agent (Pathene) to paints at the point of manufacture preserves the paint in the can as well as the dried paint film. Pathene inhabits the growth of odor causing bacteria, bacteria which causes staining and discoloration, fungi (mold and mildew), and algae on the surface of dried films and coatings.

Approved commercial and industrial applications

The active ingredient in Pathene is effective against odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew) and algae as a static agent. Pathene can be used as a final bacteriostatic finish on the following items to impart bacteriostatic/fungistatic (mold and mildew) activity.

- Air Filters for furnaces, air-conditioners, air purification devices, automobiles, recirculating air handling systems.
- Air filters/materials
- Aquarium filter material
- Bed sheets, blankets, and bedspreads
- Buffer pads (abrasive and polishing)
- Carpets and draperies
- Cellulose sponges
- Concrete additive for sewer pipes, manholes and concrete sewer structures; not to be used in treatment of storm drains
- Concrete additive for repair and renewal of sewer pipes and manholes and concrete sewers structures; not to be used in treatment of storm drains
- Exterior walls (such as stone, concrete, brick)
- Fiberfill for upholstery, sleeping bags, apparel, where the fiber is cotton, natural down, nylon, polyester, rayon, or wool
- Fiberglass duct board
- Fire hose fabric
- Humidifier belts
- Mattress pads and ticking
- Men's underwear and outerwear
- Non-woven disposable diapers
- Non-woven polyester
- Outerwear apparel (jackets, sweaters, sweatshirts, coats, raincoats, overcoats, jerseys, ponchos)
- Pathene can be used in paints and coatings as an in-can preservative for protection of paint film and coating film. Types of paints and coatings include: latex indoor/outdoor paints and stains, woodstains, architectural paints, lacquer and maintenance coatings,

films, laminates and finishes including alkyd, urethane, enamel, epoxy, siloxaline, amino resins, textile coatings, extrusion, coatings, architectural coatings and overlays, anti-corrosion coatings, fire-resistant coatings, aliphatic coatings, vinylester and polyester coatings, gel coating, amino resins, resins used as additive mixes for cement, epoxy laminating resins, and blends and copolymers thereof;

- Polyurethane and cellulose foam for household, industrial, and institutional sponges and mops
- Polyurethane and polyethylene foam, when covered
- Polyurethane foam for packaging and cushioning in non-food contact applications
- Polyurethane foam used as a growth medium for non-food crops and plants
- Pre-moistened towelettes and tissue wipes (these do not impart pesticidal properties)
- Roofing materials – defined as shingles, roofing granules, wood shakes, felt, stone and synthetic overcoats
- Sand bags, tents, tarpaulins, sails, and ropes
- Athletic and casual socks
- Shoe insoles
- Shower curtains
- Socks comprised of nylon, nylon/orlon, cotton/nylon, linen/Lycra, acrylic/polypropylene, nylon, Lycra, wood/silk/nylon/Lycra and wool/acrylic/nylon/Lyrca
- Throw rugs Toweling made of 100 percent cotton, 100 percent polyester, and blends of the two fibers
- Toilet Tank and seat covers
- Umbrellas
- Upholstery made of acetates, acrylics, cotton, fiberglass, nylon, polyester, polyethyiene, polyolefins, polyptopylene, rayon, spandex, vinyl, wool
- Vacuum cleaner bags and filters
- Vinyl paper-wallpaper for non-food contact surfaces
- Disposable wiping cloths that can be used for multiple purposes such as dusting or washing furniture, cars, walls, windows, floors, appliances, dishes, counter tops; the wiping cloths do not impart pesticide properties
- Woman's hosiery
- Woman's intimate apparel

DIRECTIONS FOR USE

Approved commercial appliances used in homes, offices, automobiles and institutions e.g., schools, hospitals, daycare centers, churches, correctional facilities

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Wear protective eyewear (goggles and face shield) and gloves when using this product. Dry treated areas and articles such as clothing before use. Remove children and pets from treated area until completely dry. Clean surfaces prior to application.

For Pump Spray Application: Dilute 8 ounces of Pathene per gallon of water (2 oz. per quart; 1oz. per pint). Using pump sprayer, spray entire area 4"-6"s from the surface making sure the surface is completely covered. Apply and then let stand until dry or let stand 3 minutes and wipe

dry with cloth of sponge. If spotting occurs, wipe with moist cloth or sponge. Test for staining and color-fastness of fabrics and carpets by treating and drying a small, concealed area prior to application. Pathene treats approximately 200 square feet per diluted gallon of water. When treating coarser substrates, more Pathene may be required due to absorption. A fan may be used to assist in drying carpet.

For Commercial Spray Application: For commercial application equipment (i.e. carpet/upholstery steamers, rotary jet extraction cleaners, and pressure sprayers) dilute 8 ounces of Pathene per gallon of water (2oz. per quart; 1oz. per pint); mix well. Apply and then let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. Test for staining and color-fastness of fabrics and carpets by treating and drying a small, concealed area prior to application. . Pathene treats approximately 200 square feet per diluted gallon of water. When treating coarser substrates, more Pathene may be required due to absorption. Dry carpet areas and surfaces before re-entry and dry articles before use. A fan may be used to assist in drying carpet.

For Dipping/Soaking Application: Use appropriate sized wash basin or tub for dipping/soaking the item you are treating. Use enough Pathene solution to completely submerge item. Dilute 8 ounces of Pathene per gallon of water (2oz. per quart; 1oz. per pint); mix well. Completely submerge item in solution for 3 minutes. Remove item and dry. Test for staining and color-fastness of fabrics by treating and drying a small, concealed area prior to application. Do not reuse solution after dipping/soaking.

The substrate can be dried at room temperature or at temperatures to a maximum of 160˚C (320˚F), for example in a clothes dryer. Remove excess liquid before attempting to dry in a clothes dryer. If necessary, reapply Pathene every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.

Approved commercial applications in homes, offices, automobiles, and institutions e.g., schools, hospitals, day care centers, banks, churches, correctional facilities

The active ingredient in Pathene is effective against odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew) and algae as a static agent.
Pathene can be used as a final bacteriostatic finish on the following items to impart bacteriostatic/fungistatic (mold and mildew) activity.

- Air Filters for furnaces, air-conditioners, air purification devices, automobiles, recirculating air handling systems.
- Air filters/materials
- Aquarium filter material
- Bed sheets, blankets, and bedspreads
- Buffer pads (abrasive and polishing)
- Carpets and draperies
- Cellulose sponges
- Concrete additive for sewer pipes, manholes and concrete sewer structures; not to be used in treatment of storm drains
- Concrete additive for repair and renewal of sewer pipes and manholes and concrete sewers structures; not to be used in treatment of storm drains

- Exterior walls (such as stone, concrete, brick)
- Fiberfill for upholstery, sleeping bags, apparel, where the fiber is cotton, natural down, nylon, polyester, rayon, or wool
- Fiberglass duct board
- Fire hose fabric
- Humidifier belts
- Mattress pads and ticking
- Men's underwear and outerwear
- Non-woven disposable diapers
- Non-woven polyester
- Outerwear apparel (jackets, sweaters, sweatshirts, coats, raincoats, overcoats, jerseys, ponchos)
- Pathene can be used in paints and coatings as an in can preservative for protection of paint film and coating film. Types of paints and coatings include: latex indoor/outdoor paints and stains, woodstains, architectural paints, lacquer and maintenance coatings, films, laminates and finishes including alkyd, urethane, enamel, epoxy, siloxaline, amino resins, textile coatings, extrusion, coatings, architectural coatings and overlays, anti-corrosion coatings, fire-resistant coatings, aliphatic coatings, vinylester and polyester coatings, gel coating, amino resins, resins used as additive mixes for cement, epoxy laminating resins, and blends and copolymers thereof;
- Polyurethane and cellulose foam for household, industrial, and institutional sponges and mops
- Polyurethane and polyethylene foam, when covered
- Polyurethane foam for packaging and cushioning in non-food contact applications
- Polyurethane foam used as a growth medium for non-food crops and plants
- Pre-moistened towelettes and tissue wipes (these do not impart pesticidal properties)
- Roofing materials – defined as shingles, roofing granules, wood shakes, felt, stone and synthetic overcoats
- Sand bags, tents, tarpaulins, sails, and ropes
- Athletic and casual socks
- Shoe insoles
- Shower curtains
- Socks comprised of nylon, nylon/orlon, cotton/nylon, linen/Lycra, acrylic/polypropylene, nylon, Lycra, wood/silk/nylon/Lycra and wool/acrylic/nylon/Lyrca
- Throw rugs Toweling made of 100 percent cotton, 100 percent polyester, and blends of the two fibers
- Toilet Tank and seat covers
- Umbrellas
- Upholstery made of acetates, acrylics, cotton, fiberglass, nylon, polyester, polyethyiene, polyolefins, polyptopylene, rayon, spandex, vinyl, wool
- Vacuum cleaner bags and filters
- Vinyl paper-wallpaper for non-food contact surfaces
- Disposable wiping cloths that can be used for multiple purposes such as dusting or washing furniture, cars, walls, windows, floors, appliances, dishes, counter tops; the wiping cloths do not impart pesticide properties
- Women's hosiery

- Women's intimate apparel

DIRECTIONS FOR USE

For homeowner applications

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Wear protective eyewear (goggles or face shield) and gloves when using this product. Dry treated areas and articles such as clothing before use. Remove children and pets from treated area until completely dry. Clean surfaces prior to application.

Approved homeowner uses

The active ingredient in Pathene is effective against odor-causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae as a static agent. Pathene can be used as a final bacteriostatic finish on the following items to impart bacteriostatic/fungistatic (mold and mildew) activity.

	Pest controlled	Dilution Rate	Method of Application
Bedsheets, blankets, bedspreads, curtains, draperies (washable only), underwear, socks, intimate apparel, hosiery, throw rugs, toweling, toilet tank covers, shower curtains, shoe insoles, outerwear apparel (jackets, sweaters, sweatshirts, coats, raincoats, overcoats, jerseys, ponchos). Pathene can be applied to fabrics made of acetates, acrylics, cotton, fiberglass, linen, Lycra, nylon,	Odor-causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew)	8 oz / gallon 2 oz / quart 1 oz / pint	**DIP/SOAK:** Dilute Pathene in water; mix well. Use appropriate sized wash basin or tub for dipping/soaking the item you are treating. Use enough Pathene solution to completely submerge item. Keep item in solution for 3 minutes. Remove item and wring excess liquid from treated item. For larger items (e.g. bedspreads, curtains, draperies), place in washing machine on spin cycle to aid in the removal of excess liquid. Test staining and color-fastness of fabric and carpets by treating and drying a small concealed area prior to application. Do not reuse solution after dipping/soaking. Dry treated articles before use. Substrates can be hang-dried at room temperature or at temperatures to a maximum of 160°C (320°F); (for example, in a clothes dryer). If necessary, reapply Pathene every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.

orlon, polyester, polyethylene, polyolefins, polypropylene, rayon, silk, spandex, vinyl, and wool.			**SPRAY:** Dilute Pathene in water; mix well. Clean surface prior to application. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 4"-6" from the surface, making sure the surface is completely covered. Let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. Test staining and color-fastness of fabric by treating and drying a small concealed area prior to application. If necessary, reapply Pathene every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.
	Pest controlled	**Dilution Rate**	**Method of Application**
Air filters and air filter material for: • Furnaces, air conditioners • Air purification systems • Automobiles • Recirculating air handling systems • Vacuum cleaner filters • Aquariums	Odor-causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae	8 oz / gallon 2 oz / quart 1 oz / pint	**SPRAY:** Dilute Pathene in water; mix well. When treating filters, remove filter from the unit. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 4"-6" from the surface, making sure the surface is completely covered. Apply and then let stand until dry. If necessary, reapply Pathene every three months or when odor, staining and discoloration due to bacteria, mold stains, mildew stains, and algae stains return.
	Pest controlled	**Dilution Rate**	**Method of Application**

Carpeting	Odor-causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew)	8 oz / gallon 2 oz / quart 1 oz / pint	**SPRAY:** Dilute Pathene in water; mix well. Apply to clean carpet surface. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 4"-6" from the surface, making sure the surface is completely covered. For rotary jet extraction cleaners and carpet steamers, add the diluted Pathene solution directly to the cleaning tank, then operate the equipment in accordance with manufacturer's instructions. Apply and then let stand until dry. Test staining and color-fastness of carpets by treating and drying a small concealed area prior to application. Pathene treats approximately 200 square feet per diluted gallon of water. When treating coarser substrates (e.g., wool carpeting), more Pathene may be required due to absorption. Dry carpet areas and surfaces before re-entry. A fan may be used to assist in drying carpeting. Remove children and pets from treated area until completely dried. If necessary, reapply Pathene every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.
	Pest controlled	**Dilution Rate**	**Method of Application**
Mattress pad and mattress ticking and upholstery composed of acetates, acrylics, cotton, fiberglass, nylon, polyester, polyethylene, polyolefins, polypropylene, rayon, spandex, vinyl, wool; fiberfill to be used in upholstery, sleeping bags,	Odor-causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew)	8 oz / gallon 2 oz / quart 1 oz / pint	**SPRAY:** Dilute Pathene in water; mix well. Clean surfaces prior to application. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 4"-6" from the surface, making sure the surface is completely covered. Apply and then let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. Test staining and color-fastness of fabric by treating and drying a small concealed area prior to application. When applying to mattress pads and ticking do not soak. Remove children and pets from treated area until completely dried. If necessary, reapply

apparel, where the fiber is cotton, natural down, nylon, rayon, or wool			Pathene every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.
	Pest controlled	**Dilution Rate**	**Method of Application**
Tents, tarpaulins, sails, ropes.	Odor-causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae	8 oz / gallon 2 oz / quart 1 oz / pint	**SPRAY:** Dilute Pathene in water; mix well. Clean surface prior to application. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 4"-6" from the surface, making sure the surface is completely covered. Let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. Test staining and color-fastness of fabric by treating and drying a small concealed area prior to application. If necessary, reapply Pathene every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return. **DIP/SOAK:** Dilute Pathene in water; mix well. Use appropriate sized wash basin or tub for dipping/soaking the item you are treating. Use enough Pathene solution to completely submerge item. Keep item in solution for 3 minutes. Remove item and wring excess liquid. Test staining and color-fastness of fabric and carpets by treating and drying a small concealed area prior to application. Do not reuse solution after dipping/soaking. Dry treated articles before use. Substrates can be hang-dried at room temperature or at temperatures to a maximum of 160°C (320°F); (for example, in a clothes dryer). If necessary, reapply Pathene every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.
	Pest controlled	**Dilution Rate**	**Method of Application**
Roofing materials	Odor-causing	8 oz / gallon	**SPRAY:** Dilute Pathene in water; mix

(such as shingles, roofing granules, wood shakes, felt, stone, synthetic overcoats) Exterior walls (such as stone, concrete, brick)	bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae	2 oz / quart 1 oz / pint	well. Make sure the roof or wall is clean prior to application. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 6"-12" from the surface, making sure the surface is completely covered. After applying the diluted solution of Pathene, let stand until dry. Pathene treats approximately 200 square feet of roofing or wall per diluted gallon of water. If necessary, reapply Pathene every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.
	Pest controlled	**Dilution Rate**	**Method of Application**
Buffer pads (polishing and abrasive), polyurethane for household sponges and mops, vacuum cleaner bags, umbrellas, casual shoes, athletic shoes	Odor-causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew)	8 oz / gallon 2 oz / quart 1 oz / pint	**SPRAY:** Dilute Pathene in water; mix well. Clean surface prior to application. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 4"-6" from the surface, making sure the surface is completely covered. Let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. If necessary, reapply Pathene every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.
	Pest controlled	**Dilution Rate**	**Method of Application**
Tubs, glazed tile, vanity tops, shower curtains, shower stalls (areas), sinks, washable walls, wall paper for non-food contact, floors, window sills, cabinets, garbage cans, appliances, refrigerators (exterior), fiberglass, formica, glazed	Odor-causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew)	8 oz / gallon 2 oz / quart 1 oz / pint	**SPRAY:** Dilute Pathene in water; mix well. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 4"-6" from the surface, making sure the surface is completely covered. Let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. If necessary, reapply Pathene every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.

tiles, glazed porcelain, synthetic marble, plastic, vinyl			

MOLD, MILDEW, ODOR PROTECTOR AND INHIBITOR Pathene is an antimicrobial agent effective against odor-causing bacteria.
Pathene is an antimicrobial agent effective against bacteria which cause staining and discoloration.
Pathene is an antimicrobial agent effective against fungi (mold and mildew).
Pathene is an antimicrobial agent effective against algae.
Pathene, and antimicrobial agent, controls the source of odors on surfaces in the home, in the bathroom, in the kitchen. (Bacteriostatic, fungistatic (mold and mildew), algaestatic.
Pathene, and antimicrobial agent, inhibits smelly odors caused by mold and mildew that can grow even in the cleanest of homes.
Pathene, and antimicrobial agent, inhibits the growth of odor causing bacteria.
Effective on hard non-porous washable bathroom and kitchen surfaces and fixtures around the home.
Effective on modern hard non-porous washable surfaces like fiberglass, glazed porcelain, Formica®, stainless steel, synthetic marble.
Imparts microbiostatic properties.
Use on carpet and upholstery to inhibit odor-causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew).
Unscented.
Use on carpet and upholstery to inhibit the growth of odor-causing bacteria.
Use on carpet and upholstery to inhibit the growth of bacteria which cause staining and discoloration.
Use on carpet and upholstery to inhibit the growth of fungi (mold and mildew).
Use on carpet and upholstery to inhibit the growth of odor-causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae.
Provides and invisible microbiostatic coating to inhibit the growth of odor-causing bacteria.
Provides and invisible microbiostatic coating to inhibit the growth of bacteria which cause staining and discoloration.
Provides and invisible microbiostatic coating to inhibit the growth of fungi (mold and mildew).
Provides and invisible microbiostatic coating to inhibit the growth of algae.
Provides and invisible microbiostatic coating to inhibit the growth of odor-causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae.
Prevents deterioration caused by bacteria and fungi (mold and mildew).
Inhibits deterioration caused by bacteria.
Resists development of microbial odors.
Resists development of stains and discoloration due to bacteria.
Resists development of stains due to fungi (mold and mildew).
Resists stains due to algae.
Resists development of microbial odors, stains and discoloration due to bacteria, fungi (mold and mildew), and algae.

Provides/creates an invisible barrier to inhibit the growth of odor-causing bacteria.
Provides/creates an invisible barrier to inhibit the growth of bacteria which cause staining and discoloration.
Provides/creates an invisible barrier to inhibit the growth of fungi (mold and mildew).
Provides/creates an invisible barrier to inhibit the growth of algae.
Provides/creates an invisible barrier to inhibit the growth of odor-causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

Pesticide Storage: Store in original, tightly closed containers below 30°C (86°F) and above 0°C (32°F) in a secure area inaccessible to children and away from food or feed.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. **[For homeowner use the statement will read:** "Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site."**]**

Container Disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate, or, if allowed by state and local authorities, dispose of by burning. If burned, stay out of smoke. **[For homeowners use statement will read:** "Container Disposal: Securely wrap original container in several layers of newspaper and discard in trash."**]**

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Kevin R.Kutcel
PureShield Inc.
1445 Jupiter Park, Suite 11
Jupiter, FL 33458

DEC 15 2010

SUBJECT: Bio-Protect AM 500
EPA Registration Number: 87583-2
Application Date: Nov. 11, 2010
Receipt Date: Nov. 16, 2010

Dear Mr. Kutcel:

This letter acknowledges receipt of the notification identified above submitted under provisions of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) as amended and PR Notice 98-10.

- Minor Formulation Amendment per PR Notice 98-10

Based on a review of the submitted information, this notification is unacceptable for the following reason. In accordance with PR Notice 98-10 section N minor label changes which are related to FIFRA may be made by notifications, provided they involve no change **in ingredients**, statements or signal word. Your proposed Confidential Statement of Formula (CSF) dated 11/11/10 includes such changes which could not be approved via notification. This type of review would be processed by our chemists with a 90 day review time frame. If you desire to make this change, resubmit this information via amendment to the Agency for review.

General Comments

Should you have any questions concerning this letter, please contact Emilia Oiguenblik at (703) 347-0199 or Velma Noble at (703) 308-6233.

Sincerely,

Velma Noble
Product Manager (31)
Regulatory Management Branch I
Antimicrobials Division (7510P)

CONCURRENCES								
SYMBOL								
SURNAME								
DATE								

EPA Form 1320-1A (1/90) *Printed on Recycled Paper* OFFICIAL FILE COPY

KRK Consulting LLC
5807 Churchill Way
Medina, OH 44256
Tel: 440-263-7305
E-mail: kutcel@zoominternet.net

November 11, 2010

Document Processing Desk (AMEND)
Office of Pesticide Programs (7504P)
U.S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202-4501

Subject: Minor Formulation Amendment per PR Notice 98-10 (EPA No. 87583-2)

Please accept the attached two copies of the revised Confidential Statement of Formula (EPA Form 8570-4) for Reg. No. 87583-2 "Bio-Protect AM500" along with one copy of the current Confidential State of Formula on file with the EPA for this registration. This amended Confidential Statement of Formula does comply with conditions stated under minor formulation amendments and should qualify for the accelerated review for such amendments.

Attached is EPA Form 8570-1 regarding this notification as required in PR Notice 98-10. This notification is consistent with the guidance in PR Notice 1998-10 and the requirements of EPA's regulations at 40 CFR 156.46, 156.140, 156.144, 156,146 and 156.156 and no other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand this it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements of PR Notice 98-10 and CFR 156.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Please note that KRK Consulting LLC is the authorized agent handling all correspondence for PureShield Inc. and therefore all responses should be directed to the contact information on the letterhead above. This should already be in your records, but an letter of authorization letter is attached for confirmation.

Best Regards,

Kevin R. Kutcel,
Agent for PureShield Inc.

Please read instructions on reverse before completing form. Form Approved. OMB No. 2070-0060

Print Form

United States Environmental Protection Agency Washington, DC 20460

- [ ] Registration
- [x] Amendment
- [ ] Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number: PureShield, Inc. / 87583-2

2. EPA Product Manager: Velma Noble

3. Proposed Classification: [x] None [ ] Restricted

4. Company/Product (Name): PureShield, Inc. / Bio-Protect AM500

PM# 31

5. Name and Address of Applicant *(Include ZIP Code)*

PureShield Inc.
1445 Jupiter Park, Suite 11
Jupiter, FL 33458

[x] *Check if this is a new address*

6. **Expedited Review.** In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to:

EPA Reg. No. _____

Product Name _____

Section - II

- [x] Amendment - Explain below.
- [ ] Resubmission in response to Agency letter dated _____
- [ ] Notification - Explain below.
- [ ] Final printed labels in response to Agency letter dated _____
- [ ] "Me Too" Application.
- [ ] Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Please accept this minor formulation amendment for Bio-Protect AM500 (Reg. No. 87583-2) that qualifies for accelerated review per PR Notice 98-10. Two copies of the alternate CSF and one copy of the current CSF have been attached to this application. Please see attached cover letter for more details regarding this application.

Section - III

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging	Unit Packaging	Water Soluble Packaging	2. Type of Container
[ ] Yes* [x] No	[ ] Yes [x] No	[ ] Yes [x] No	[ ] Metal [x] Plastic [ ] Glass [ ] Paper [ ] Other (Specify)
* *Certification must be submitted*	If "Yes" Unit Packaging wgt. / No. per container	If "Yes" Package wgt / No. per container	

3. Location of Net Contents Information: [x] Label [ ] Container

4. Size(s) Retail Container: 1 gal, 5 gal

5. Location of Label Directions: [x] On Label [ ] On Labeling accompanying product

6. Manner in Which Label is Affixed to Product: [x] Lithograph / Paper glued / Stenciled [ ] Other _____

Section - IV

1. Contact Point *(Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)*

Name	Title	Telephone No. (Include Area Code)
Kevin Kutcel	Consultant	440-263-7305

Certification

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

6. Date Application Received (Stamped)

2. Signature	3. Title	4. Typed Name	5. Date
Kevin Kutcel	Consultant	Kevin R. Kutcel	Nov 11, 2010

EPA Form 8570-1 (Rev. 8-94) Previous editions are obsolete. White - EPA File Copy (original) Yellow - Applicant Copy

RISK ASSIGNMENT FORM

Antimicrobial Division/Regulatory Management Branch II

A	Completed by Product Manager

PRODUCT REVIEWER: Emilia	**RMB** _I__ **TEAM**__31___
Description of Action: Notification	**EPA File Symbol/Reg No.** 87583-2

Decision No. 442289	**Submission No.** 886097	**Fee for Service Action Code:**
FQPA Action Code: 332	**Non-FQPA Action Code:**	**PRIA FEE AMOUNT: $**

	MONTH	DAY	YEAR
APPLICATION DATE	11	11	2010
EPA PIN DATE	11	16	2010
DATE PM RECEIVED FROM FRONT END			2010
Date sent to Reviewer			2010
DATE SENT TO SCIENCE			2010
DATE RECEIVED FROM SCIENCE			
PRIA DUE DATE	12	16 2010	**NEGOTIATED DUE DATE**

Type of Data:	PSB Product Chemistry	PSB Acute Toxicology	PSB Efficacy	RASSB Environmental Fate	RASSB Ecological Effects	RASSB Chronic Toxicology	RASSB Exposure/ Residue

COMMENTS: Notification – Give to Emilia

ATTACHMENTS: -LABELING ☐-CSF(S) ☐-DATA ☐-OTHERS

DATE FEE PAID:	**RESPONSE CODE:**_____ **RESPONSE DATE:**_____

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Antimicrobials Division (7510P)
1200 Pennsylvania Avenue NW
Washington, D.C. 20460

EPA Reg. Number:	Date of Issuance:
87583-2	SEP - 7 2010

Term of Issuance: **Conditional**

Name of Pesticide Product: Bio-Protect AM 500

NOTICE OF PESTICIDE:
x Registration
____ Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):
PureShield Inc.
1445 Jupiter Park, Suite 1,
Jupiter, Fl. 33458

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec 3(c)(7)(a) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for re-registration of your product under FIFRA section 4.

2. Make the labeling change listed below before you release the product for shipment:

(a) Revise the EPA Registration Number to read, "EPA Reg. No. 87583-2

Signature of Approving Official:
Tracy Lentz for
Velma Noble
Product Manager Team-31
Regulatory Management Branch I
Antimicrobials Division (7510P)

Date: SEP - 7 2010

EPA Form 8570-6

CONCURRENCES								
SYMBOL								
SURNAME								
DATE								

(b) Your label does not agree with the cited label. Please delete bullets number 8 and 9 on page 5 which reads:

"Concrete additive for sewer pipes, manhole and concrete sewer structures not to be used in treatment of storm drains".

"Concrete additive for repair and renewal of sewer pipes, manholes and concrete sewer structures; not to be used in treatment of storm drains.

(c) Your label does not agree with the cited label. Please delete bullet number 6 on page 6 which reads:

"Am500 can be used in paints and coating as an in can preservative for protection of paint film and coating film. Types of paints and coating include: latex indoor/outdoor paints and stains, wood stains, architectural paint, lacquer and maintenance coatings, films, laminates and finishes including alkyd, urethane, enamel, epoxy, siloxaline, amino resins, textile coating, architectural coating overlays, anti-corrosion coating, fire-resistant coating aliphatic coatings, vinylester and polyester coatings, gel coating, amino resins, resins used as additive mixes for cement, epoxy laminating resin, blends and copolymers thereof".

(d) Your label does not agree with the cited label. Please delete bullet number 11 on page 6 which reads:

Premoistened towelettes and tissue wipes (these do not impact pesticidedial properties) Roofing material-defined as shingles, roofing granules, wood shakes, felt, stone and synthetic overcoats.

(e) Your label does not agree with the cited label. Please delete bullet number 8 on page 6 which reads:

Non-woven disposable diapers.

(f) Please revise the storage and disposal language on page 13 to read as following:

"Container Handling: (containers intended for residential users) Nonrefillable\container. Do not reuse or refill this container. Securely wrap original container in several layers of newspaper and discard in trash or offer for recycling if available."

"Container Handling: (containers intended for nonresidential users, larger than 5 gallons) "Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Dispose of rinsate as pesticide waste. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration."

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records. Submit one (1) copy of your final printed labeling prior to release of this product for shipment. If you have any questions concerning this letter, please contact Velma Nobel at (703) 308-308-6233.

Sincerely,

for Velma Noble
Product Manager 31
Regulatory Branch I
Antimicrobials Division (7510P)

Enclosures: Stamped Label

ACCEPTED
with COMMENTS
n EPA Letter Dated:

SEP - 7 2010

er the Federal Insecticide,
ricide, and Rodenticide Act as
nded, for the pesticide,
stered under EPA Reg. No. 87583-2

BIO-PROTECT AM500

MICROBIOSTATIC AGENT *
A Silicone Quaternary Ammonium Salt

Active Ingredient: 3-(trimethoxysilyl) propyldimethyloctadecyl ammonium chloride.....5.0%
Other Ingredients: 95.0%
TOTAL INGREDIENTS: 100.0%

KEEP OUT OF REACH OF CHILDREN

WARNING

EPA Reg. No. 87583-

EPA EST. xxxxx-xx-xxxx

NET CONTENTS: 2, 4, 8, 16, 20, 22, or 36 fluid oz.; 1, 5, 55, 150, or 300 gal.

FIRST AID
IF IN EYES: • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. • Call poison control center or doctor for treatment advice.
IF INHALED: • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
IF ON SKIN: • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
IF SWALLOWED: • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.

*A microbiostatic agent is an agent that inhibits the growth of odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae.
This product does not protect users or others against food-borne or disease-causing bacteria.

PURESHIELD INC , 1445 Jupiter Park Drive # 11, Jupiter, Florida 33458

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING: Causes substantial but temporary eye injury. Harmful if absorbed through skin or inhaled. Do not get in eyes. Avoid contact with skin and avoid breathing vapor.
Wear protective eyewear (goggles or face shield). Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS

Commercial and industrial uses: This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge
Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

De-activation may be required during clean up if a spill occurs. De-activation of AM500 can be achieved by the addition of anionic surfactant (such as soap, sulfonates, sulfates) in quantity equivalent to that of AM500.

Homeowner use: This pesticide is toxic to fish. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of pesticide.

DIRECTIONS FOR USE

Approved commercial and Industrial Applications

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Wear protective eyewear (goggles or face shield) and gloves when using this product. Dry treated areas and articles such as clothing before use. Remove children and pets from treated area until completely dry.

Prepare solution by simply adding AM500 to solvent and stirring. AM500 can also be diluted by adding 0.2 to 2 fluid ounces of AM500 per cup (3.2 to 32 fluid ounces of AM500 per gallon) of water or other solvents (for example, alcohol and ketones) and than applied to organic or inorganic substrates by brushing, dipping, padding, soaking, spraying, fogging or by using foam finishing techniques to give a final treatment of 0.1 to 1.0 percent by weight active ingredient.

Dry substrates at temperatures from ambient to a maximum of 160° C (320° F) to effect complete condensation of silanol groups and to remove water, solvents and/or traces of methanol from hydrolysis. Optimum application and drying conditions, such as time and temperature, should be determined for each application before use. If necessary, reapply AM500 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.

AM500 when used as a concrete additive is added directly concrete preparation. Use 6 fluid ounces AM500 per cubic feet of concrete. Add to water before addition of concrete. Addition of AM500 reduces deterioration of sewer pipes and manholes by inhibiting microbiologically induced corrosion.

AM500 when used as an additive for paints and coatings is added directly during preparation of the paint or coating. Use 5 pounds of AM500 per 100 pounds of paint or coating (or 1 pound AM500 per 20 pounds paint/coating). The addition of the antimicrobial agent (AM500) to paints at the point of manufacture preserves the paint in the can as well as the dried paint film. AM500 inhabits the growth of odor causing bacteria, bacteria which causes staining and discoloration, fungi (mold and mildew), and algae on the surface of dried films and coatings.

Approved commercial and industrial applications

The active ingredient in AM500 is effective against odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew) and algae as a static agent. AM500 can be used as a final bacteriostatic finish on the following items to impart bacteriostatic/fungistatic (mold and mildew) activity.

- Air Filters for furnaces, air-conditioners, air purification devices, automobiles, recirculating air handling systems.
- Air filters/materials
- Aquarium filter material
- Bed sheets, blankets, and bedspreads
- Buffer pads (abrasive and polishing)
- Carpets and draperies
- Cellulose sponges
- Concrete additive for sewer pipes, manholes and concrete sewer structures; not to be used in treatment of storm drains
- Concrete additive for repair and renewal of sewer pipes and manholes and concrete sewers structures; not to be used in treatment of storm drains
- Exterior walls (such as stone, concrete, brick)
- Fiberfill for upholstery, sleeping bags, apparel, where the fiber is cotton, natural down, nylon, polyester, rayon, or wool
- Fiberglass duct board
- Fire hose fabric
- Humidifier belts
- Mattress pads and ticking
- Men's underwear and outerwear
- Non-woven disposable diapers
- Non-woven polyester
- Outerwear apparel (jackets, sweaters, sweatshirts, coats, raincoats, overcoats, jerseys, ponchos)
- AM500 can be used in paints and coatings as an in-can preservative for protection of paint film and coating film. Types of paints and coatings include: latex indoor/outdoor paints and stains, woodstains, architectural paints, lacquer and maintenance coatings,

films, laminates and finishes including alkyd, urethane, enamel, epoxy, siloxaline, amino resins, textile coatings, extrusion, coatings, architectural coatings and overlays, anti-corrosion coatings, fire-resistant coatings, aliphatic coatings, vinylester and polyester coatings, gel coating, amino resins, resins used as additive mixes for cement, epoxy laminating resins, and blends and copolymers thereof;

- Polyurethane and cellulose foam for household, industrial, and institutional sponges and mops
- Polyurethane and polyethylene foam, when covered
- Polyurethane foam for packaging and cushioning in non-food contact applications
- Polyurethane foam used as a growth medium for non-food crops and plants
- Pre-moistened towelettes and tissue wipes (these do not impart pesticidal properties)
- Roofing materials – defined as shingles, roofing granules, wood shakes, felt, stone and synthetic overcoats
- Sand bags, tents, tarpaulins, sails, and ropes
- Athletic and casual socks
- Shoe insoles
- Shower curtains
- Socks comprised of nylon, nylon/orlon, cotton/nylon, linen/Lycra, acrylic/polypropylene, nylon, Lycra, wood/silk/nylon/Lycra and wool/acrylic/nylon/Lyrca
- Throw rugs Toweling made of 100 percent cotton, 100 percent polyester, and blends of the two fibers
- Toilet Tank and seat covers
- Umbrellas
- Upholstery made of acetates, acrylics, cotton, fiberglass, nylon, polyester, polyethyiene, polyolefins, polyptopylene, rayon, spandex, vinyl, wool
- Vacuum cleaner bags and filters
- Vinyl paper-wallpaper for non-food contact surfaces
- Disposable wiping cloths that can be used for multiple purposes such as dusting or washing furniture, cars, walls, windows, floors, appliances, dishes, counter tops; the wiping cloths do not impart pesticide properties
- Woman's hosiery
- Woman's intimate apparel

DIRECTIONS FOR USE

Approved commercial appliances used in homes, offices, automobiles and institutions e.g., schools, hospitals, daycare centers, churches, correctional facilities

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Wear protective eyewear (goggles and face shield) and gloves when using this product. Dry treated areas and articles such as clothing before use. Remove children and pets from treated area until completely dry. Clean surfaces prior to application.

For Pump Spray Application: Dilute 8 ounces of AM500 per gallon of water (2 oz. per quart; 1oz. per pint). Using pump sprayer, spray entire area 4"-6"s from the surface making sure the surface is completely covered. Apply and then let stand until dry or let stand 3 minutes and wipe

dry with cloth of sponge. If spotting occurs, wipe with moist cloth or sponge. Test for staining and color-fastness of fabrics and carpets by treating and drying a small, concealed area prior to application. AM500 treats approximately 200 square feet per diluted gallon of water. When treating coarser substrates, more AM500 may be required due to absorption. A fan may be used to assist in drying carpet.

For Commercial Spray Application: For commercial application equipment (i.e. carpet/upholstery steamers, rotary jet extraction cleaners, and pressure sprayers) dilute 8 ounces of AM500 per gallon of water (2oz. per quart; 1oz. per pint); mix well. Apply and then let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. Test for staining and color-fastness of fabrics and carpets by treating and drying a small, concealed area prior to application. . AM500 treats approximately 200 square feet per diluted gallon of water. When treating coarser substrates, more AM500 may be required due to absorption. Dry carpet areas and surfaces before re-entry and dry articles before use. A fan may be used to assist in drying carpet.

For Dipping/Soaking Application: Use appropriate sized wash basin or tub for dipping/soaking the item you are treating. Use enough AM500 solution to completely submerge item. Dilute 8 ounces of AM500 per gallon of water (2oz. per quart; 1oz. per pint); mix well. Completely submerge item in solution for 3 minutes. Remove item and dry. Test for staining and color-fastness of fabrics by treating and drying a small, concealed area prior to application. Do not reuse solution after dipping/soaking.

The substrate can be dried at room temperature or at temperatures to a maximum of 160°C (320°F), for example in a clothes dryer. Remove excess liquid before attempting to dry in a clothes dryer. If necessary, reapply AM500 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.

Approved commercial applications in homes, offices, automobiles, and institutions e.g., schools, hospitals, day care centers, banks, churches, correctional facilities

The active ingredient in AM500 is effective against odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew) and algae as a static agent.
AM500 can be used as a final bacteriostatic finish on the following items to impart bacteriostatic/fungistatic (mold and mildew) activity.

- Air Filters for furnaces, air-conditioners, air purification devices, automobiles, recirculating air handling systems.
- Air filters/materials
- Aquarium filter material
- Bed sheets, blankets, and bedspreads
- Buffer pads (abrasive and polishing)
- Carpets and draperies
- Cellulose sponges
- Concrete additive for sewer pipes, manholes and concrete sewer structures, not to be used in treatment of storm drains
- Concrete additive for repair and renewal of sewer pipes and manholes and concrete sewers structures; not to be used in treatment of storm drains

- Exterior walls (such as stone, concrete, brick)
- Fiberfill for upholstery, sleeping bags, apparel, where the fiber is cotton, natural down, nylon, polyester, rayon, or wool
- Fiberglass duct board
- Fire hose fabric
- Humidifier belts
- Mattress pads and ticking
- Men's underwear and outerwear
- Non-woven disposable diapers
- Non-woven polyester
- Outerwear apparel (jackets, sweaters, sweatshirts, coats, raincoats, overcoats, jerseys, ponchos)
- AM500 can be used in paints and coatings as an in can preservative for protection of paint film and coating film. Types of paints and coatings include: latex indoor/outdoor paints and stains, woodstains, architectural paints, lacquer and maintenance coatings, films, laminates and finishes including alkyd, urethane, enamel, epoxy, siloxaline, amino resins, textile coatings, extrusion, coatings, architectural coatings and overlays, anti-corrosion coatings, fire-resistant coatings, aliphatic coatings, vinylester and polyester coatings, gel coating, amino resins, resins used as additive mixes for cement, epoxy laminating resins, and blends and copolymers thereof;
- Polyurethane and cellulose foam for household, industrial, and institutional sponges and mops
- Polyurethane and polyethylene foam, when covered
- Polyurethane foam for packaging and cushioning in non-food contact applications
- Polyurethane foam used as a growth medium for non-food crops and plants
- Pre-moistened towelettes and tissue wipes (these do not impart pesticidal properties)
- Roofing materials – defined as shingles, roofing granules, wood shakes, felt, stone and synthetic overcoats
- Sand bags, tents, tarpaulins, sails, and ropes
- Athletic and casual socks
- Shoe insoles
- Shower curtains
- Socks comprised of nylon, nylon/orlon, cotton/nylon, linen/Lycra, acrylic/polypropylene, nylon, Lycra, wood/silk/nylon/Lycra and wool/acrylic/nylon/Lyrca
- Throw rugs Toweling made of 100 percent cotton, 100 percent polyester, and blends of the two fibers
- Toilet Tank and seat covers
- Umbrellas
- Upholstery made of acetates, acrylics, cotton, fiberglass, nylon, polyester, polyethylene, polyolefins, polyptopylene, rayon, spandex, vinyl, wool
- Vacuum cleaner bags and filters
- Vinyl paper-wallpaper for non-food contact surfaces
- Disposable wiping cloths that can be used for multiple purposes such as dusting or washing furniture, cars, walls, windows, floors, appliances, dishes, counter tops; the wiping cloths do not impart pesticide properties
- Women's hosiery

- Women's intimate apparel

DIRECTIONS FOR USE

For homeowner applications

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Wear protective eyewear (goggles or face shield) and gloves when using this product. Dry treated areas and articles such as clothing before use. Remove children and pets from treated area until completely dry. Clean surfaces prior to application.

Approved homeowner uses

The active ingredient in AM500 is effective against odor-causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae as a static agent. AM500 can be used as a final bacteriostatic finish on the following items to impart bacteriostatic/fungistatic (mold and mildew) activity.

	Pest controlled	Dilution Rate	Method of Application
Bedsheets, blankets, bedspreads, curtains, draperies (washable only), underwear, socks, intimate apparel, hosiery, throw rugs, toweling, toilet tank covers, shower curtains, shoe insoles, outerwear apparel (jackets, sweaters, sweatshirts, coats, raincoats, overcoats, jerseys, ponchos). AM500 can be applied to fabrics made of acetates, acrylics, cotton, fiberglass, linen, Lycra, nylon,	Odor-causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew)	8 oz / gallon 2 oz / quart 1 oz / pint	**DIP/SOAK:** Dilute AM500 in water; mix well. Use appropriate sized wash basin or tub for dipping/soaking the item you are treating. Use enough AM500 solution to completely submerge item. Keep item in solution for 3 minutes. Remove item and wring excess liquid from treated item. For larger items (e.g. bedspreads, curtains, draperies), place in washing machine on spin cycle to aid in the removal of excess liquid. Test staining and color-fastness of fabric and carpets by treating and drying a small concealed area prior to application. Do not reuse solution after dipping/soaking. Dry treated articles before use. Substrates can be hang-dried at room temperature or at temperatures to a maximum of 160°C (320°F); (for example, in a clothes dryer). If necessary, reapply AM500 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.

orlon, polyester, polyethylene, polyolefins, polypropylene, rayon, silk, spandex, vinyl, and wool.			**SPRAY:** Dilute AM500 in water; mix well. Clean surface prior to application. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 4"-6" from the surface, making sure the surface is completely covered. Let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. Test staining and color-fastness of fabric by treating and drying a small concealed area prior to application. If necessary, reapply AM500 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.
	Pest controlled	**Dilution Rate**	**Method of Application**
Air filters and air filter material for: • Furnaces, air conditioners • Air purification systems • Automobiles • Recirculating air handling systems • Vacuum cleaner filters • Aquariums	Odor-causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae	8 oz / gallon 2 oz / quart 1 oz / pint	**SPRAY:** Dilute AM500 in water; mix well. When treating filters, remove filter from the unit. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 4"-6" from the surface, making sure the surface is completely covered. Apply and then let stand until dry. If necessary, reapply AM500 every three months or when odor, staining and discoloration due to bacteria, mold stains, mildew stains, and algae stains return.
	Pest controlled	**Dilution Rate**	**Method of Application**

Carpeting	Odor-causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew)	8 oz / gallon 2 oz / quart 1 oz / pint	**SPRAY:** Dilute AM500 in water; mix well. Apply to clean carpet surface. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 4"-6" from the surface, making sure the surface is completely covered. For rotary jet extraction cleaners and carpet steamers, add the diluted AM500 solution directly to the cleaning tank, then operate the equipment in accordance with manufacturer's instructions. Apply and then let stand until dry. Test staining and color-fastness of carpets by treating and drying a small concealed area prior to application. AM500 treats approximately 200 square feet per diluted gallon of water. When treating coarser substrates (e.g., wool carpeting), more AM500 may be required due to absorption. Dry carpet areas and surfaces before re-entry. A fan may be used to assist in drying carpeting. Remove children and pets from treated area until completely dried. If necessary, reapply AM500 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.
	Pest controlled	**Dilution Rate**	**Method of Application**
Mattress pad and mattress ticking and upholstery composed of acetates, acrylics, cotton, fiberglass, nylon, polyester, polyethylene, polyolefins, polypropylene, rayon, spandex, vinyl, wool; fiberfill to be used in upholstery, sleeping bags,	Odor-causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew)	8 oz / gallon 2 oz / quart 1 oz / pint	**SPRAY:** Dilute AM500 in water; mix well. Clean surfaces prior to application. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 4"-6" from the surface, making sure the surface is completely covered. Apply and then let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. Test staining and color-fastness of fabric by treating and drying a small concealed area prior to application. When applying to mattress pads and ticking do not soak. Remove children and pets from treated area until completely dried. If necessary, reapply

apparel, where the fiber is cotton, natural down, nylon, rayon, or wool			AM500 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.
	Pest controlled	**Dilution Rate**	**Method of Application**
Tents, tarpaulins, sails, ropes.	Odor-causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae	8 oz / gallon 2 oz / quart 1 oz / pint	**SPRAY:** Dilute AM500 in water; mix well. Clean surface prior to application. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 4"-6" from the surface, making sure the surface is completely covered. Let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. Test staining and color-fastness of fabric by treating and drying a small concealed area prior to application. If necessary, reapply AM500 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return. **DIP/SOAK:** Dilute AM500 in water; mix well. Use appropriate sized wash basin or tub for dipping/soaking the item you are treating. Use enough AM500 solution to completely submerge item. Keep item in solution for 3 minutes. Remove item and wring excess liquid. Test staining and color-fastness of fabric and carpets by treating and drying a small concealed area prior to application. Do not reuse solution after dipping/soaking. Dry treated articles before use. Substrates can be hang-dried at room temperature or at temperatures to a maximum of 160°C (320°F); (for example, in a clothes dryer). If necessary, reapply AM500 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.
	Pest controlled	**Dilution Rate**	**Method of Application**
Roofing materials	Odor-causing	8 oz / gallon	**SPRAY:** Dilute AM500 in water; mix

(such as shingles, roofing granules, wood shakes, felt, stone, synthetic overcoats) Exterior walls (such as stone, concrete, brick)	bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae	2 oz / quart 1 oz / pint	well. Make sure the roof or wall is clean prior to application. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 6"-12" from the surface, making sure the surface is completely covered. After applying the diluted solution of AM500, let stand until dry. AM500 treats approximately 200 square feet of roofing or wall per diluted gallon of water. If necessary, reapply AM500 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.
	Pest controlled	**Dilution Rate**	**Method of Application**
Buffer pads (polishing and abrasive), polyurethane for household sponges and mops, vacuum cleaner bags, umbrellas, casual shoes, athletic shoes	Odor-causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew)	8 oz / gallon 2 oz / quart 1 oz / pint	**SPRAY:** Dilute AM500 in water; mix well. Clean surface prior to application. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 4"-6" from the surface, making sure the surface is completely covered. Let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. If necessary, reapply AM500 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.
	Pest controlled	**Dilution Rate**	**Method of Application**
Tubs, glazed tile, vanity tops, shower curtains, shower stalls (areas), sinks, washable walls, wall paper for non-food contact, floors, window sills, cabinets, garbage cans, appliances, refrigerators (exterior), fiberglass, formica, glazed	Odor-causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew)	8 oz / gallon 2 oz / quart 1 oz / pint	**SPRAY:** Dilute AM500 in water; mix well. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 4"-6" from the surface, making sure the surface is completely covered. Let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. If necessary, reapply AM500 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.

tiles, glazed porcelain, synthetic marble, plastic, vinyl			

MOLD, MILDEW, ODOR PROTECTOR AND INHIBITOR AM500 is an antimicrobial agent effective against odor-causing bacteria.
AM500 is an antimicrobial agent effective against bacteria which cause staining and discoloration.
AM500 is an antimicrobial agent effective against fungi (mold and mildew).
AM500 is an antimicrobial agent effective against algae.
AM500, and antimicrobial agent, controls the source of odors on surfaces in the home, in the bathroom, in the kitchen. (Bacteriostatic, fungistatic (mold and mildew), algaestatic.
AM500, and antimicrobial agent, inhibits smelly odors caused by mold and mildew that can grow even in the cleanest of homes.
AM500, and antimicrobial agent, inhibits the growth of odor causing bacteria.
Effective on hard non-porous washable bathroom and kitchen surfaces and fixtures around the home.
Effective on modern hard non-porous washable surfaces like fiberglass, glazed porcelain, Formica®, stainless steel, synthetic marble.
Imparts microbiostatic properties.
Use on carpet and upholstery to inhibit odor-causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew).
Unscented.
Use on carpet and upholstery to inhibit the growth of odor-causing bacteria.
Use on carpet and upholstery to inhibit the growth of bacteria which cause staining and discoloration.
Use on carpet and upholstery to inhibit the growth of fungi (mold and mildew).
Use on carpet and upholstery to inhibit the growth of odor-causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae.
Provides and invisible microbiostatic coating to inhibit the growth of odor-causing bacteria.
Provides and invisible microbiostatic coating to inhibit the growth of bacteria which cause staining and discoloration.
Provides and invisible microbiostatic coating to inhibit the growth of fungi (mold and mildew).
Provides and invisible microbiostatic coating to inhibit the growth of algae.
Provides and invisible microbiostatic coating to inhibit the growth of odor-causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae.
Prevents deterioration caused by bacteria and fungi (mold and mildew).
Inhibits deterioration caused by bacteria.
Resists development of microbial odors.
Resists development of stains and discoloration due to bacteria.
Resists development of stains due to fungi (mold and mildew).
Resists stains due to algae.
Resists development of microbial odors, stains and discoloration due to bacteria, fungi (mold and mildew), and algae.

Provides/creates an invisible barrier to inhibit the growth of odor-causing bacteria.
Provides/creates an invisible barrier to inhibit the growth of bacteria which cause staining and discoloration.
Provides/creates an invisible barrier to inhibit the growth of fungi (mold and mildew).
Provides/creates an invisible barrier to inhibit the growth of algae.
Provides/creates an invisible barrier to inhibit the growth of odor-causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

Pesticide Storage: Store in original, tightly closed containers below 30°C (86°F) and above 0°C (32°F) in a secure area inaccessible to children and away from food or feed.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. **[For homeowner use the statement will read:** "Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site."]

Container Disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate, or, if allowed by state and local authorities, dispose of by burning. If burned, stay out of smoke. **[For homeowners use statement will read:** "Container Disposal: Securely wrap original container in several layers of newspaper and discard in trash."]

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

June 8, 2010

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

OPP Decision Number: D-433511
EPA File Symbol or Registration Number: 87583-E
Product Name: BIO-PROTECT AM500
EPA Application Receipt Date: 12-May-2010
EPA Waiver Request Receipt Date: 12-May-2010
EPA Company Number: 87583
Company Name: PURESHIELD INC

KEVIN KUTCEL
KRK CONSULTING LLC
PURESHIELD INC
5807 CHURCHILL WAY
MEDINA, OH 44256-

SUBJECT: Approval of Waiver Request

Dear Registrant:

The Office of Pesticide Programs has approved your request for 75% waiver of the pesticide registration fee associated with the action referenced above. The decision review period for this action will begin on the date of this letter.

The Action has been identified as Action Code: A530

ME-TOO;NEW PRODUCT;FAST TRACK;

If you have any questions, please contact Mr. Dennis Edwards, at (703) 308-8087.

Sincerely,

for Oscar Morales, Director
Information Technology and Resources Management Division
Office of Pesticide Programs

PRIA 2 – 21 Day Content Screen Review Worksheet

(EPA/OPP Use Only)

3/23/09

21 Day Screen Start Date: 5-12-10

Experts In-Processing Signature: B. Rm Date 5-17-10 Fee Paid: Yes ✓

Division management contacted on issues No_____Yes _____Date _____

EPA Reg. Number: 87583-E	EPA Receipt Date: 5-12-10

	Items for Review	Yes	No	N/A*
1	**Application Form** (EPA Form 8570-1)(link to form) signed & complete including package type	X		
2	**Confidential Statement of Formula** all boxes completed, form signed, and dated (EPA Form 8570-4) (Link to form)	X		
	a) All inerts (link to http://www.epa.gov/opprd001/inerts/), including fragrances, approved for the proposed uses (see Footnote A) — yes / no			
3	**Certification with Respect to Citation of Data** (EPA Form 8570-34) (Link to form) completed and signed (N/A if 100% repack)			X
	Certificate and data matrix consistent			X
	If applicant is relying on data that are compensable, is the offer to pay statement included. (see Footnote B) — yes / no			
	If applicable, is there a letter of Authorization for exclusive use only.			
4	**Formulator's Exemption Statement** (EPA Form 8570-27) (Link to form) completed and signed (N/A if source is unregistered or applicant owns the technical)	X		
5	**Data Matrix** (EPA Form 8570-35) (Link to form) both internal and external copies (PR 98-5) (Link to PR 98-5) completed and signed (N/A if 100% repack)	X		
	a) Selective Method (Fee category experts use) — yes / no			
	b) Cite-All (Fee category experts use)			
	c) Applicant owns all data (Fee category experts use)			
6	**5 Copies of Label (link to http://www.epa.gov/oppfead1/labeling/lrm/) (Electronic labels on CD are encouraged and guidance is available)(link to** http://www.epa.gov/pesticides/regulating/registering/submissions/index.htm#labels)	X		

7	**Is the data package consistent with PR Notice 86-5** (link to PRN 86-5)			X
8	**Notice of Filing (link to http://www.epa.gov/pesticides/regulating/tolerance_petitions.htm) included with petitions (link to http://www.epa.gov/pesticides/regulating/tolerances.htm)**			✓
9	**If applicable for conventional applications, reduced risk rationale (link to http://www.epa.gov/opprd001/workplan/reducedrisk.html)**			✓
10	**Required Data (link to http://www.epa.gov/pesticides/regulating/data_requirements.htm) and/or data waivers. See Footnote C.**			X
	a) List study (or studies) not included with application			

Comments:

NO STUDIES ASSOCIATED WITH THIS SUBMISSION.
DATA MATRIX SUBMITTED, BUT NOT REQUIRED.
NON-FOOD USE PRODUCT. AA 5/18/10

* N/A – Not Applicable

Footnotes

A. During the 21 day initial content review, all CSFs will be reviewed to determine whether all inerts listed, including fragrances, are approved for the proposed uses. If an unapproved inert is identified, the applicant must either 1) resolve the inert issue by, for example, removing the inert, substituting it with an approved inert, submitting documentation that EPA approved the inert for the proposed pesticidal uses, correcting mistakes on the CSF, etc. or 2) provide the data to support OPP approval of the inert or 3) withdraw the application. Removing or substituting an inert ingredient will require a new CSF and may require submission of data. All information, forms, data and documentation resolving the inert issue must have been received by the Agency or the application withdrawn within the 21 day period, otherwise, the Agency will reject the application as described below.

To successfully complete this aspect of the 21 day initial content screen, applicants are **strongly encouraged** to verify that all inert ingredients have been approved for the application's uses **even if a product is currently registered** by consulting the inert Web

site [link to http://www.epa.gov/opprd001/inerts/lists.html] and if the inert is not approved, to **obtain the necessary inert approval prior to submitting an application to register a pesticide product containing that inert ingredient.** Some inert ingredients are no longer approved for food uses or certain types of uses. The name and/or CAS number on a CSF must match the name and CAS number on this web site. Simple typographical errors in the name or CAS number have resulted in processing delays.

If an inert is not listed on the inert ingredient web site and the applicant believes that the inert has been approved, the applicant should contact the Inert Ingredient Assessment Branch (IIAB) at inertsbranch@epa.gov and resolve the issue. Copies of the correspondence with IIAB resolving the issue should accompany the application. All new inerts except PIP inerts are reviewed by IIAB. The IIAB should also be contacted for any questions on what supporting data needs to be submitted for and the Agency's inert review process. Questions on PIP inerts should be directed to the Chief of Microbial Pesticides Branch [Link to http://www.epa.gov/oppbppd1/biopesticides/contacts_bppd.htm].

When a brand, trade, or proprietary name of an inert ingredient is listed on a CSF, additional information such as an alternate name of the inert, CAS number or other information [link to http://www.epa.gov/opprd001/inerts/tips.pdf] must also be included to enable the Agency to determine if it has been approved. Each component of an inert mixture (including a fragrance) must be identified. In some cases, the supplier of the mixture or fragrance may need to provide this information to the Agency. Prior to the Agency's receipt of an application, applicants must arrange with a proprietary mixture or fragrance supplier to provide the component information to the Agency or promptly upon EPA's request. If the inert ingredients in a proprietary blend (including fragrances) cannot or are not identified or provided within the 21-day content review period, the Agency will reject the application.

During the 21 day content review, applicants should submit information to the individual identified by the Agency when the applicant is informed of an unapproved inert.

Unapproved Inerts Identified on CSFs

All applications except conventional new products and PIPs

Once an unapproved inert is identified on a CSF, the Agency will contact the applicant with the following options:

1. Correct the application by, for instance, correcting the inert's identity or CAS number, providing documentation that the inert has been approved, or removing the unapproved inert from the CSF or replacing it with one that is approved for the application's uses; or

2. Submit the information and data needed for the Agency to approve the unapproved inert. If this option is selected and implemented, the Agency may request an extension in the PRIA decision review timeframe to accommodate the inert review/approval process;

3. Withdraw the application (the Agency retains 25% of the full fee for the fee category estimated); or

If none of these options is selected and implemented by the applicant within the 21 day content review period, the Agency will reject the application and retain 25% of the full fee of the category identified.

Conventional New Product Applications

When the Registration Division identifies an unapproved inert on a CSF with an application for a new product that the applicant has not identified as requiring an inert approval (R311, R312 or R313), it will contact the applicant with the following options:

1. Correct the application by, for instance, correcting the inert's identity or CAS number, providing documentation that the inert has been approved, or removing the unapproved inert from the CSF or replacing it with one that is approved for the application's uses; or

2. Submit the information and data needed for the Agency to approve the unapproved inert, including any required petition to establish or amend a tolerance or exemption from a tolerance. (This option may change the PRIA category for the application, which could require a longer decision review time and a larger fee. If additional fees are due, they must be received by the Agency within the 21 day content review period.)

3. Withdraw the application (the Agency retains 25% of the full fee for the fee category estimated); or

If none of the above options is selected and implemented during the 21-day content-review period, the Agency will reject the application and retain 25% of the appropriate fee for the new product-inert approval category.

PIP Applications

When the Biopesticide and Pollution Prevention Division identifies an unapproved inert on a PIP CSF and a request to approve the inert does not accompany the application, it will contact the applicant with the following options:

1. Correct the application by, for instance, correcting the spelling or name of the inert to that in 40 CFR 174, or providing documentation that the inert has been approved; or

2. Submit the information and data needed for the Agency to approve the unapproved inert. If an inert ingredient tolerance exemption petition is required, the petition must be received by the Agency and the B903 fee paid within the 21 day period. If this option is selected and implemented, the Agency will discuss harmonizing the timeframe for both actions.

3. Withdraw the application (the Agency retains 25% of the full fee for the fee category estimated); or

If none of the above options is selected and implemented during the 21 day content review period, the Agency will reject the application and retain 25% of the fee.

B. A policy on documentation of offers to pay is still being developed, however, for a me-too or fast track (similar/identical) new product, R300 or A530, an application without the necessary authorizations of offers to pay will be placed into either R301 or A531. The Agency recommends that authorizations of offers to pay be submitted with other PRIA applications to avoid delays in the Agency's decision.

C. Biopesticide applicants are advised to contact the Agency and discuss study waivers prior to submitting their application to the Agency. Documentation of such discussions should be submitted with the study waiver.

21-Day Screen Completed by Contractor

21-Day Expires on 6-2-10

Jacket # 87583-E
MRID# —

Content Screen: Recommended to Pass/Fail

86-5 Review: Passed/Failed/NA

Transfer This Jacket to:

[redacted]

C

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

May 17, 2010

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

OPP Decision Number: D-433511
EPA File Symbol or Registration Number: 87583-E
Product Name: BIO-PROTECT AM500
EPA Receipt Date: 12-May-2010
EPA Company Number: 87583
Company Name: PURESHIELD INC

KEVIN KUTCEL
KRK CONSULTING LLC
PURESHIELD INC
5807 CHURCHILL WAY
MEDINA, OH 44256-

SUBJECT: Receipt of Application and 75% Small Business Waiver Request

Dear Registrant:

The Office of Pesticide Programs has received your application, 75% small business waiver request, and certification of payment. If you submitted data with this application, the results of the PRN-86-5 screen will be communicated separately. During the administrative screen, the Office of Pesticide Programs has determined that this Action is subject to a Pesticide Registration Service Fee as defined in the Pesticide Registration Improvement Act.

The Action has been identified as Action Code: A530
ME-TOO;NEW PRODUCT;FAST TRACK;

Your request for waiver has been forwarded for review. You will be notified in writing when a determination is made regarding your request. If your waiver request is approved, the decision review time period will start on the date of approval and we will process a refund of your $118 overpayment as soon as is practicable. If your waiver request is denied, you will receive an invoice for the outstanding balance.

If you have any questions, please contact the Pesticide Registration Service Fee Ombudsman at (703) 308-8087.

Sincerely,
Teresa Downs
Front End Processing Staff
Information Technology & Resources Management Division

Fee for Service {874575K~

This package includes the following

- (•) New Registration
- ( ) Amendment

for Division

- (•) AD
- ( ) BPPD
- ( ) RD

☐ Studies? ☑ Fee Waiver?

☐ volpay % Reduction: 15

Risk Mgr. 31

Receipt No. S- 874575

EPA File Symbol/Reg. No. 87583-E

Pin-Punch Date: 5/12/2010

☐ This item is NOT subject to FFS action.

Action Code:

Requested: R531

Granted: A530

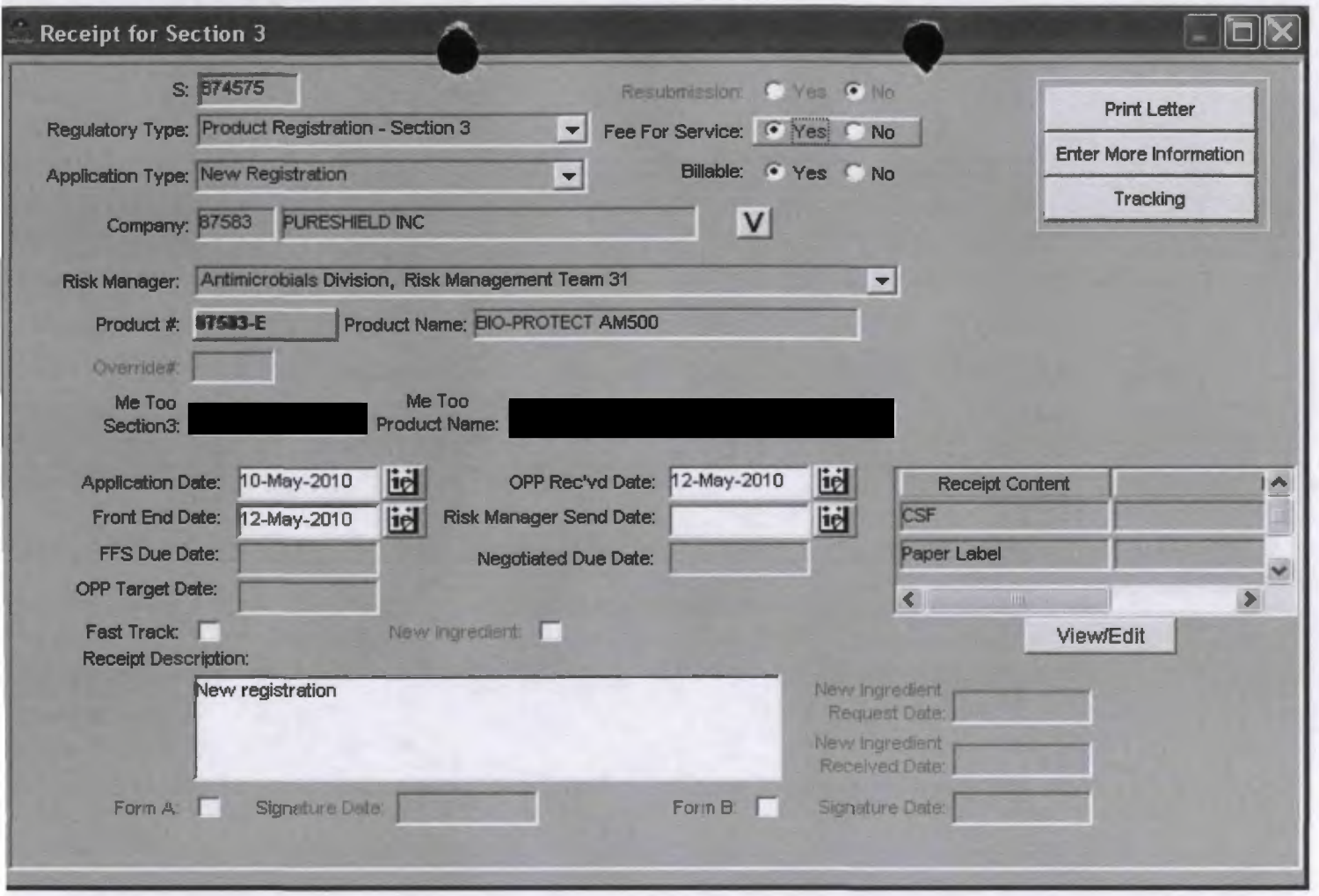
Amount Due: $ 1103

Parent/Child Decisions:

▣ Inert Cleared for Intended Use ▣ Uncleared Inert in Product

Reviewer: Team #2 Date: 5/14/10

Remarks: Marshall Swindell
Heather GARVIE



Product ingredient source information may be entitled to confidential treatment

NEW APPLICATIONS

DATE: 5/12/10

FILE NUMBER: 87583-E

FEP (OPPIN ENTRY) pem 5/12/10
(Initial & date)

FILE ROOM: _____
(Initial & date)

SIG: _____
(Initial & date)

FILE ROOM: _____
(Initial & date)

X ASSIGN TO PM 31 (NO DATA)

____ JACKET TO SHELF (DATA)

ISB'S Front-end PRIA Completeness Screen

Draft 3; 10/25/07

EPA Receipt Date: 5/12/10		EPA Reg. Number: 87583-E		
	Check List Item	Yes	No	N/A
1	Has the **PRIA Fee been Paid**; is a copy of the check or Pay.gov receipt included in the Submission Package?	✓		
2	Is an **Application Form** (EPA Form 8570-1) Included in the Submission Package, is it completely filled out and signed including package type?	✓		
3	Is a **Confidential Statement of Formula** (EPA Form 8570-29) Included in the Submission Package, is it completely filled out and signed (boxes 1-21)?	✓		
4	Is a **Formulator's Exemption Statement** (EPA Form 8570-27) Included in the Submission Package?	✓		
5	Is a **Certification with Respect to Citation of Data** (EPA Form 8570-34) Included in the Submission Package?		✓	
6	Is a **Data Matrix** (EPA Form 8570-35) Included in the Submission Package?	✓		
7	Is a **Label** Included in the Submission Package?	✓		
8	Are **Data** Included in the Submission Package?		✓	
9	**Is the Submission an Amendment?**		✓	

BIO-PROTECT AM500

A Silicone Quaternary Ammonium Salt

MICROBIOSTATIC AGENT *

A Silicone Quaternary Ammonium Salt

Active Ingredient: 3-(trimethoxysilyl) propyldimethyloctadecyl ammonium chloride.....5.0%
Other Ingredients: 95.0%
TOTAL INGREDIENTS: 100.0%

KEEP OUT OF REACH OF CHILDREN

WARNING

EPA Reg. No. 87583-

EPA EST. xxxxx-xx-xxxx

NET CONTENTS: 2, 4, 8, 16, 20, 22, or 36 fluid oz.; 1, 5, 55, 150, or 300 gal.

FIRST AID
IF IN EYES: • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. • Call poison control center or doctor for treatment advice.
IF INHALED: • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
IF ON SKIN: • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
IF SWALLOWED: • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.

*A microbiostatic agent is an agent that inhibits the growth of odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae.
This product does not protect users or others against food-borne or disease-causing bacteria.

PURESHIELD INC , 1445 Jupiter Park Drive # 11, Jupiter, Florida 33458

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING: Causes substantial but temporary eye injury. Harmful if absorbed through skin or inhaled. Do not get in eyes. Avoid contact with skin and avoid breathing vapor.
Wear protective eyewear (goggles or face shield). Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS

Commercial and industrial uses: This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge
Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

De-activation may be required during clean up if a spill occurs. De-activation of AM500 can be achieved by the addition of anionic surfactant (such as soap, sulfonates, sulfates) in quantity equivalent to that of AM500.

Homeowner use: This pesticide is toxic to fish. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of pesticide.

DIRECTIONS FOR USE

Approved commercial and Industrial Applications

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Wear protective eyewear (goggles or face shield) and gloves when using this product. Dry treated areas and articles such as clothing before use. Remove children and pets from treated area until completely dry.

Prepare solution by simply adding AM500 to solvent and stirring. AM500 can also be diluted by adding 0.2 to 2 fluid ounces of AM500 per cup (3.2 to 32 fluid ounces of AM500 per gallon) of water or other solvents (for example, alcohol and ketones) and than applied to organic or inorganic substrates by brushing, dipping, padding, soaking, spraying, fogging or by using foam finishing techniques to give a final treatment of 0.1 to 1.0 percent by weight active ingredient.

Dry substrates at temperatures from ambient to a maximum of 160° C (320° F) to effect complete condensation of silanol groups and to remove water, solvents and/or traces of methanol from hydrolysis. Optimum application and drying conditions, such as time and temperature, should be determined for each application before use. If necessary, reapply AM500 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.

AM500 when used as a concrete additive is added directly concrete preparation. Use 6 fluid ounces AM500 per cubic feet of concrete. Add to water before addition of concrete. Addition of AM500 reduces deterioration of sewer pipes and manholes by inhibiting microbiologically induced corrosion.

AM500 when used as an additive for paints and coatings is added directly during preparation of the paint or coating. Use 5 pounds of AM500 per 100 pounds of paint or coating (or 1 pound AM500 per 20 pounds paint/coating). The addition of the antimicrobial agent (AM500) to paints at the point of manufacture preserves the paint in the can as well as the dried paint film. AM500 inhabits the growth of odor causing bacteria, bacteria which causes staining and discoloration, fungi (mold and mildew), and algae on the surface of dried films and coatings.

Approved commercial and industrial applications

The active ingredient in AM500 is effective against odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew) and algae as a static agent. AM500 can be used as a final bacteriostatic finish on the following items to impart bacteriostatic/fungistatic (mold and mildew) activity.

- Air Filters for furnaces, air-conditioners, air purification devices, automobiles, recirculating air handling systems.
- Air filters/materials
- Aquarium filter material
- Bed sheets, blankets, and bedspreads
- Buffer pads (abrasive and polishing)
- Carpets and draperies
- Cellulose sponges
- Concrete additive for sewer pipes, manholes and concrete sewer structures; not to be used in treatment of storm drains
- Concrete additive for repair and renewal of sewer pipes and manholes and concrete sewers structures; not to be used in treatment of storm drains
- Exterior walls (such as stone, concrete, brick)
- Fiberfill for upholstery, sleeping bags, apparel, where the fiber is cotton, natural down, nylon, polyester, rayon, or wool
- Fiberglass duct board
- Fire hose fabric
- Humidifier belts
- Mattress pads and ticking
- Men's underwear and outerwear
- Non-woven disposable diapers
- Non-woven polyester
- Outerwear apparel (jackets, sweaters, sweatshirts, coats, raincoats, overcoats, jerseys, ponchos)
- AM500 can be used in paints and coatings as an in-can preservative for protection of paint film and coating film. Types of paints and coatings include: latex indoor/outdoor paints and stains, woodstains, architectural paints, lacquer and maintenance coatings.

films, laminates and finishes including alkyd, urethane, enamel, epoxy, siloxaline, amino resins, textile coatings, extrusion, coatings, architectural coatings and overlays, anti-corrosion coatings, fire-resistant coatings, aliphatic coatings, vinylester and polyester coatings, gel coating, amino resins, resins used as additive mixes for cement, epoxy laminating resins, and blends and copolymers thereof;

- Polyurethane and cellulose foam for household, industrial, and institutional sponges and mops
- Polyurethane and polyethylene foam, when covered
- Polyurethane foam for packaging and cushioning in non-food contact applications
- Polyurethane foam used as a growth medium for non-food crops and plants
- Pre-moistened towelettes and tissue wipes (these do not impart pesticidal properties)
- Roofing materials – defined as shingles, roofing granules, wood shakes, felt, stone and synthetic overcoats
- Sand bags, tents, tarpaulins, sails, and ropes
- Athletic and casual socks
- Shoe insoles
- Shower curtains
- Socks comprised of nylon, nylon/orlon, cotton/nylon, linen/Lycra, acrylic/polypropylene, nylon, Lycra, wood/silk/nylon/Lycra and wool/acrylic/nylon/Lyrca
- Throw rugs Toweling made of 100 percent cotton, 100 percent polyester, and blends of the two fibers
- Toilet Tank and seat covers
- Umbrellas
- Upholstery made of acetates, acrylics, cotton, fiberglass, nylon, polyester, polyethyiene, polyolefins, polyptopylene, rayon, spandex, vinyl, wool
- Vacuum cleaner bags and filters
- Vinyl paper-wallpaper for non-food contact surfaces
- Disposable wiping cloths that can be used for multiple purposes such as dusting or washing furniture, cars, walls, windows, floors, appliances, dishes, counter tops; the wiping cloths do not impart pesticide properties
- Woman's hosiery
- Woman's intimate apparel

DIRECTIONS FOR USE

Approved commercial appliances used in homes, offices, automobiles and institutions e.g., schools, hospitals, daycare centers, churches, correctional facilities

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Wear protective eyewear (goggles and face shield) and gloves when using this product. Dry treated areas and articles such as clothing before use. Remove children and pets from treated area until completely dry. Clean surfaces prior to application.

For Pump Spray Application: Dilute 8 ounces of AM500 per gallon of water (2 oz. per quart; 1oz. per pint). Using pump sprayer, spray entire area 4"-6"s from the surface making sure the surface is completely covered. Apply and then let stand until dry or let stand 3 minutes and wipe

dry with cloth of sponge. If spotting occurs, wipe with moist cloth or sponge. Test for staining and color-fastness of fabrics and carpets by treating and drying a small, concealed area prior to application. AM500 treats approximately 200 square feet per diluted gallon of water. When treating coarser substrates, more AM500 may be required due to absorption. A fan may be used to assist in drying carpet.

For Commercial Spray Application: For commercial application equipment (i.e. carpet/upholstery steamers, rotary jet extraction cleaners, and pressure sprayers) dilute 8 ounces of AM500 per gallon of water (2oz. per quart; 1oz. per pint); mix well. Apply and then let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. Test for staining and color-fastness of fabrics and carpets by treating and drying a small, concealed area prior to application. . AM500 treats approximately 200 square feet per diluted gallon of water. When treating coarser substrates, more AM500 may be required due to absorption. Dry carpet areas and surfaces before re-entry and dry articles before use. A fan may be used to assist in drying carpet.

For Dipping/Soaking Application: Use appropriate sized wash basin or tub for dipping/soaking the item you are treating. Use enough AM500 solution to completely submerge item. Dilute 8 ounces of AM500 per gallon of water (2oz. per quart; 1oz. per pint); mix well. Completely submerge item in solution for 3 minutes. Remove item and dry. Test for staining and color-fastness of fabrics by treating and drying a small, concealed area prior to application. Do not reuse solution after dipping/soaking.

The substrate can be dried at room temperature or at temperatures to a maximum of 160°C (320°F), for example in a clothes dryer. Remove excess liquid before attempting to dry in a clothes dryer. If necessary, reapply AM500 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.

Approved commercial applications in homes, offices, automobiles, and institutions e.g., schools, hospitals, day care centers, banks, churches, correctional facilities

The active ingredient in AM500 is effective against odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew) and algae as a static agent.
AM500 can be used as a final bacteriostatic finish on the following items to impart bacteriostatic/fungistatic (mold and mildew) activity.

- Air Filters for furnaces, air-conditioners, air purification devices, automobiles, recirculating air handling systems.
- Air filters/materials
- Aquarium filter material
- Bed sheets, blankets, and bedspreads
- Buffer pads (abrasive and polishing)
- Carpets and draperies
- Cellulose sponges
- Concrete additive for sewer pipes, manholes and concrete sewer structures; not to be used in treatment of storm drains
- Concrete additive for repair and renewal of sewer pipes and manholes and concrete sewers structures; not to be used in treatment of storm drains

- Exterior walls (such as stone, concrete, brick)
- Fiberfill for upholstery, sleeping bags, apparel, where the fiber is cotton, natural down, nylon, polyester, rayon, or wool
- Fiberglass duct board
- Fire hose fabric
- Humidifier belts
- Mattress pads and ticking
- Men's underwear and outerwear
- Non-woven disposable diapers
- Non-woven polyester
- Outerwear apparel (jackets, sweaters, sweatshirts, coats, raincoats, overcoats, jerseys, ponchos)
- AM500 can be used in paints and coatings as an in can preservative for protection of paint film and coating film. Types of paints and coatings include: latex indoor/outdoor paints and stains, woodstains, architectural paints, lacquer and maintenance coatings, films, laminates and finishes including alkyd, urethane, enamel, epoxy, siloxaline, amino resins, textile coatings, extrusion, coatings, architectural coatings and overlays, anti-corrosion coatings, fire-resistant coatings, aliphatic coatings, vinylester and polyester coatings, gel coating, amino resins, resins used as additive mixes for cement, epoxy laminating resins, and blends and copolymers thereof;
- Polyurethane and cellulose foam for household, industrial, and institutional sponges and mops
- Polyurethane and polyethylene foam, when covered
- Polyurethane foam for packaging and cushioning in non-food contact applications
- Polyurethane foam used as a growth medium for non-food crops and plants
- Pre-moistened towelettes and tissue wipes (these do not impart pesticidal properties)
- Roofing materials – defined as shingles, roofing granules, wood shakes, felt, stone and synthetic overcoats
- Sand bags, tents, tarpaulins, sails, and ropes
- Athletic and casual socks
- Shoe insoles
- Shower curtains
- Socks comprised of nylon, nylon/orlon, cotton/nylon, linen/Lycra, acrylic/polypropylene, nylon, Lycra, wood/silk/nylon/Lycra and wool/acrylic/nylon/Lyrca
- Throw rugs Toweling made of 100 percent cotton, 100 percent polyester, and blends of the two fibers
- Toilet Tank and seat covers
- Umbrellas
- Upholstery made of acetates, acrylics, cotton, fiberglass, nylon, polyester, polyethyiene, polyolefins, polyptopylene, rayon, spandex, vinyl, wool
- Vacuum cleaner bags and filters
- Vinyl paper-wallpaper for non-food contact surfaces
- Disposable wiping cloths that can be used for multiple purposes such as dusting or washing furniture, cars, walls, windows, floors, appliances, dishes, counter tops; the wiping cloths do not impart pesticide properties
- Women's hosiery

- Women's intimate apparel

DIRECTIONS FOR USE

For homeowner applications

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Wear protective eyewear (goggles or face shield) and gloves when using this product. Dry treated areas and articles such as clothing before use. Remove children and pets from treated area until completely dry. Clean surfaces prior to application.

Approved homeowner uses

The active ingredient in AM500 is effective against odor-causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae as a static agent. AM500 can be used as a final bacteriostatic finish on the following items to impart bacteriostatic/fungistatic (mold and mildew) activity.

	Pest controlled	Dilution Rate	Method of Application
Bedsheets, blankets, bedspreads, curtains, draperies (washable only), underwear, socks, intimate apparel, hosiery, throw rugs, toweling, toilet tank covers, shower curtains, shoe insoles, outerwear apparel (jackets, sweaters, sweatshirts, coats, raincoats, overcoats, jerseys, ponchos). AM500 can be applied to fabrics made of acetates, acrylics, cotton, fiberglass, linen, Lycra, nylon,	Odor-causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew)	8 oz / gallon 2 oz / quart 1 oz / pint	**DIP/SOAK:** Dilute AM500 in water; mix well. Use appropriate sized wash basin or tub for dipping/soaking the item you are treating. Use enough AM500 solution to completely submerge item. Keep item in solution for 3 minutes. Remove item and wring excess liquid from treated item. For larger items (e.g. bedspreads, curtains, draperies), place in washing machine on spin cycle to aid in the removal of excess liquid. Test staining and color-fastness of fabric and carpets by treating and drying a small concealed area prior to application. Do not reuse solution after dipping/soaking. Dry treated articles before use. Substrates can be hang-dried at room temperature or at temperatures to a maximum of 160°C (320°F); (for example, in a clothes dryer). If necessary, reapply AM500 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.

orlon, polyester, polyethylene, polyolefins, polypropylene, rayon, silk, spandex, vinyl, and wool.			**SPRAY:** Dilute AM500 in water; mix well. Clean surface prior to application. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 4"-6" from the surface, making sure the surface is completely covered. Let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. Test staining and color-fastness of fabric by treating and drying a small concealed area prior to application. If necessary, reapply AM500 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.
	Pest controlled	**Dilution Rate**	**Method of Application**
Air filters and air filter material for: • Furnaces, air conditioners • Air purification systems • Automobiles • Recirculating air handling systems • Vacuum cleaner filters • Aquariums	Odor-causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae	8 oz / gallon 2 oz / quart 1 oz / pint	**SPRAY:** Dilute AM500 in water; mix well. When treating filters, remove filter from the unit. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 4"-6" from the surface, making sure the surface is completely covered. Apply and then let stand until dry. If necessary, reapply AM500 every three months or when odor, staining and discoloration due to bacteria, mold stains, mildew stains, and algae stains return.
	Pest controlled	**Dilution Rate**	**Method of Application**

Carpeting	Odor-causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew)	8 oz / gallon 2 oz / quart 1 oz / pint	**SPRAY:** Dilute AM500 in water; mix well. Apply to clean carpet surface. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 4"-6" from the surface, making sure the surface is completely covered. For rotary jet extraction cleaners and carpet steamers, add the diluted AM500 solution directly to the cleaning tank, then operate the equipment in accordance with manufacturer's instructions. Apply and then let stand until dry. Test staining and color-fastness of carpets by treating and drying a small concealed area prior to application. AM500 treats approximately 200 square feet per diluted gallon of water. When treating coarser substrates (e.g., wool carpeting), more AM500 may be required due to absorption. Dry carpet areas and surfaces before re-entry. A fan may be used to assist in drying carpeting. Remove children and pets from treated area until completely dried. If necessary, reapply AM500 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.
	Pest controlled	**Dilution Rate**	**Method of Application**
Mattress pad and mattress ticking and upholstery composed of acetates, acrylics, cotton, fiberglass, nylon, polyester, polyethylene, polyolefins, polypropylene, rayon, spandex, vinyl, wool; fiberfill to be used in upholstery, sleeping bags,	Odor-causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew)	8 oz / gallon 2 oz / quart 1 oz / pint	**SPRAY:** Dilute AM500 in water; mix well. Clean surfaces prior to application. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 4"-6" from the surface, making sure the surface is completely covered. Apply and then let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. Test staining and color-fastness of fabric by treating and drying a small concealed area prior to application. When applying to mattress pads and ticking do not soak. Remove children and pets from treated area until completely dried. If necessary, reapply

apparel, where the fiber is cotton, natural down, nylon, rayon, or wool			AM500 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.
	Pest controlled	**Dilution Rate**	**Method of Application**
Tents, tarpaulins, sails, ropes.	Odor-causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae	8 oz / gallon 2 oz / quart 1 oz / pint	**SPRAY:** Dilute AM500 in water; mix well. Clean surface prior to application. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 4"-6" from the surface, making sure the surface is completely covered. Let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. Test staining and color-fastness of fabric by treating and drying a small concealed area prior to application. If necessary, reapply AM500 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return. **DIP/SOAK:** Dilute AM500 in water; mix well. Use appropriate sized wash basin or tub for dipping/soaking the item you are treating. Use enough AM500 solution to completely submerge item. Keep item in solution for 3 minutes. Remove item and wring excess liquid. Test staining and color-fastness of fabric and carpets by treating and drying a small concealed area prior to application. Do not reuse solution after dipping/soaking. Dry treated articles before use. Substrates can be hang-dried at room temperature or at temperatures to a maximum of 160°C (320°F); (for example, in a clothes dryer). If necessary, reapply AM500 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.
	Pest controlled	**Dilution Rate**	**Method of Application**
Roofing materials	Odor-causing	8 oz / gallon	**SPRAY:** Dilute AM500 in water; mix

(such as shingles, roofing granules, wood shakes, felt, stone, synthetic overcoats) Exterior walls (such as stone, concrete, brick)	bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae	2 oz / quart 1 oz / pint	well. Make sure the roof or wall is clean prior to application. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 6"-12" from the surface, making sure the surface is completely covered. After applying the diluted solution of AM500, let stand until dry. AM500 treats approximately 200 square feet of roofing or wall per diluted gallon of water. If necessary, reapply AM500 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.
	Pest controlled	**Dilution Rate**	**Method of Application**
Buffer pads (polishing and abrasive), polyurethane for household sponges and mops, vacuum cleaner bags, umbrellas, casual shoes, athletic shoes	Odor-causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew)	8 oz / gallon 2 oz / quart 1 oz / pint	**SPRAY:** Dilute AM500 in water; mix well. Clean surface prior to application. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 4"-6" from the surface, making sure the surface is completely covered. Let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. If necessary, reapply AM500 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.
	Pest controlled	**Dilution Rate**	**Method of Application**
Tubs, glazed tile, vanity tops, shower curtains, shower stalls (areas), sinks, washable walls, wall paper for non-food contact, floors, window sills, cabinets, garbage cans, appliances, refrigerators (exterior), fiberglass, formica, glazed	Odor-causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew)	8 oz / gallon 2 oz / quart 1 oz / pint	**SPRAY:** Dilute AM500 in water; mix well. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 4"-6" from the surface, making sure the surface is completely covered. Let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. If necessary, reapply AM500 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.

tiles, glazed porcelain, synthetic marble, plastic, vinyl			

MOLD, MILDEW, ODOR PROTECTOR AND INHIBITOR AM500 is an antimicrobial agent effective against odor-causing bacteria.
AM500 is an antimicrobial agent effective against bacteria which cause staining and discoloration.
AM500 is an antimicrobial agent effective against fungi (mold and mildew).
AM500 is an antimicrobial agent effective against algae.
AM500, and antimicrobial agent, controls the source of odors on surfaces in the home, in the bathroom, in the kitchen. (Bacteriostatic, fungistatic (mold and mildew), algaestatic.
AM500, and antimicrobial agent, inhibits smelly odors caused by mold and mildew that can grow even in the cleanest of homes.
AM500, and antimicrobial agent, inhibits the growth of odor causing bacteria.
Effective on hard non-porous washable bathroom and kitchen surfaces and fixtures around the home.
Effective on modern hard non-porous washable surfaces like fiberglass, glazed porcelain, Formica®, stainless steel, synthetic marble.
Imparts microbiostatic properties.
Use on carpet and upholstery to inhibit odor-causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew).
Unscented.
Use on carpet and upholstery to inhibit the growth of odor-causing bacteria.
Use on carpet and upholstery to inhibit the growth of bacteria which cause staining and discoloration.
Use on carpet and upholstery to inhibit the growth of fungi (mold and mildew).
Use on carpet and upholstery to inhibit the growth of odor-causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae.
Provides and invisible microbiostatic coating to inhibit the growth of odor-causing bacteria.
Provides and invisible microbiostatic coating to inhibit the growth of bacteria which cause staining and discoloration.
Provides and invisible microbiostatic coating to inhibit the growth of fungi (mold and mildew).
Provides and invisible microbiostatic coating to inhibit the growth of algae.
Provides and invisible microbiostatic coating to inhibit the growth of odor-causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae.
Prevents deterioration caused by bacteria and fungi (mold and mildew).
Inhibits deterioration caused by bacteria.
Resists development of microbial odors.
Resists development of stains and discoloration due to bacteria.
Resists development of stains due to fungi (mold and mildew).
Resists stains due to algae.
Resists development of microbial odors, stains and discoloration due to bacteria, fungi (mold and mildew), and algae.

Provides/creates an invisible barrier to inhibit the growth of odor-causing bacteria.
Provides/creates an invisible barrier to inhibit the growth of bacteria which cause staining and discoloration.
Provides/creates an invisible barrier to inhibit the growth of fungi (mold and mildew).
Provides/creates an invisible barrier to inhibit the growth of algae.
Provides/creates an invisible barrier to inhibit the growth of odor-causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

Pesticide Storage: Store in original, tightly closed containers below 30°C (86°F) and above 0°C (32°F) in a secure area inaccessible to children and away from food or feed.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. **[For homeowner use the statement will read:** "Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site."]

Container Disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate, or, if allowed by state and local authorities, dispose of by burning. If burned, stay out of smoke. **[For homeowners use statement will read:** "Container Disposal: Securely wrap original container in several layers of newspaper and discard in trash."]

Please read instructions on reverse before completing form. Form Approved. OMB No. 2070-0060 [Print Form]

United States Environmental Protection Agency Washington, DC 20460

[X] Registration [ ] Amendment [ ] Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number: PureShield, Inc. / 87583-E
2. EPA Product Manager:
3. Proposed Classification: [X] None [ ] Restricted
4. Company/Product (Name): PureShield, Inc. / Bio-Protect AM500
PM#:
5. Name and Address of Applicant *(Include ZIP Code)*:
PureShield Inc.
1445 Jupiter Park, Suite 11
Jupiter, FL 33458
[X] *Check if this is a new address*
6. **Expedited Review.** In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to:
EPA Reg. No. [redacted]
Product Name [redacted]

Section - II

[ ] Amendment - Explain below.
[ ] Resubmission in response to Agency letter dated _____
[ ] Notification - Explain below.
[ ] Final printed labels in response to Agency letter dated _____
[X] "Me Too" Application.
[ ] Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Please accept this new registration for Bio-Protect AM500 that is a 100% "Re-Pack" application to [redacted]

Section - III

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging	Unit Packaging	Water Soluble Packaging	2. Type of Container
[ ] Yes* [X] No	[ ] Yes [X] No	[ ] Yes [X] No	[ ] Metal [X] Plastic [ ] Glass [ ] Paper [ ] Other (Specify) _____
* *Certification must be submitted*	If "Yes" Unit Packaging wgt. / No. per container	If "Yes" Package wgt / No. per container	

3. Location of Net Contents Information: [X] Label [ ] Container
4. Size(s) Retail Container: 2, 4, 8, 16, 20, 22, 360z
1, 5, 55, 150, 300 gallons
5. Location of Label Directions: [X] On Label [ ] On Labeling accompanying product
6. Manner in Which Label is Affixed to Product: [X] Lithograph / Paper glued / Stenciled [ ] Other _____

Section - IV

1. Contact Point *(Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)*

Name	Title	Telephone No. (Include Area Code)
Kevin Kutcel	Consultant	440-263-7305

Certification

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

6. Date Application Received (Stamped)

2. Signature	3. Title	4. Typed Name	5. Date
[signature]	Consultant	Kevin R. Kutcel	May 10, 2010

EPA Form 8570-1 (Rev. 8-94) Previous editions are obsolete. White - EPA File Copy (original) Yellow - Applicant Copy

Product ingredient source information may be entitled to confidential treatment

Product ingredient source information may be entitled to confidential treatment
Commercial/financial information may be entitled to confidential treatment

KRK Consulting LLC

5807 Churchill Way
Medina, OH 44256
Tel: 440-263-7305
E-mail: kutcel@zoominternet.net

May 10, 2010

US EPA (REGFEE)
Office of Pesticide Programs
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202-4501

Subject: New "Me-Too" Registration for Bio-Protect AM500 (EPA No. 87583-)

Please accept the completed application for a new registration for the product, "Bio-Protect AM500", that contains the active ingredient, 3-(Trimethoxysilyl) propyldimethyloctadecyl ammonium chloride. This application is a 100% repack of the product, [redacted] Because it is a 100% repack, the form "Certification with Respect to Citation of Data (Form 8570-34)" is not included in this packet.

Within this packet, the following information is included:

1. Receipt for a payment of $394.00. This payment was based on the code, "R531" and reflects the small business waiver reduction of 75%. Please note that since this application was for a 100% re-package of a registered enduse product, the classification should have been "R530" and the payment for only $276.00. Also attached is the completed application for the small business waiver along with supporting documentation. Please note that PureShield was only incorporated on July 14, 2008. The company [redacted] employees and a balance sheet has been attached to show [redacted] in revenues to date.
2. Letter of authorization allowing KRK Consulting LLC to represent PureShield in all matters related to the U.S. EPA.
3. Application for the "Me-Too" Registration that for "Bio-Protect AM500" that includes:
    a. 5 copies of proposed EPA Label with CD that contains pdf and doc files of proposed label.
    b. Form 8570-1 Application Form
    c. Form 8570-27 Formulator's Exemption
    d. Form 8570-4 Confidential Statement of Formula
    e. Form 8570-35 Data Matrix
    f. Letter of Authorization from Inhold LLC granting PureShield Inc. permission to cite specific studies in support of proposed registration.

Your cooperation in processing this application in an expedient manner is greatly appreciated. Please call me at 440-263-7305 if you should have any questions.

Best Regards,

Kevin R. Kutcel,
Consultant for PureShield Inc.

Product ingredient source information may be entitled to confidential treatment

Form approved. OMB No. 2070-0060, 2070-0057, [redacted]-0107, 2070-0122, 2070-0164.

EPA

United States
Environmental Protection Agency
Washington, DC 20460

Formulator's Exemption Statement

(40 CFR 152.85)

Applicant's Name and Address	EPA File Symbol/Registration Number
PureShield Inc. 1445 Jupiter Park, Suite 11 Jupiter, FL 33458	87583-
	Product Name Bio-Protect AM500
	Date of Confidential Statement of Formula *(EPA Form 8570-4)* 05/10/2010

As an authorized representative of the applicant for registration of the product identified above, I certify that:

(1) This product contains the following active ingredient(s):

[redacted]

3-(Trimethoxysilyl)propyl dimethyl octadecyl ammonium chloride
CAS No. 27668-52-6

(2) Of these, each active ingredient listed in paragraph (4) is present solely as the result of the use of that active ingredient in the manufacturing, formulation or repackaging another product which contains that active ingredient which is registered under FIFRA Section 3, is purchased by us from another person and meets the requirements of 40 CFR section 158.50(e)(2) or (3).

(3) Indicate by checking (A) or (B) below which paragraph applies:

☑ (A) An accurate Confidential Statement of Formula *(EPA FORM 8570-4)* for the above identified product is attached to this statement. That formula statement indicates, by company name, registration number, and product name, the source of the active ingredient(s) listed in paragraph (1).

OR

☐ (B) The Confidential Statement of Formula (CSF)(EPA Form 8570-4) referenced above and on file with the EPA is complete, current, an accurate and contains the information required on the current CSF.

(4) The following active ingredients in this product qualify for the formulator's exemption.

Source

Active Ingredient	Product Name	Registration Number
3-(Trimethoxysilyl)propyl dimethyl octadecyl ammonium chloride (5%) CAS No. 27668-52-6	[redacted]	[redacted]

Signature	Name and Title	Date
K. Kutcel	Kevin R. Kutcel / Consultant	05/10/2010

EPA Form 8570-27 (Rev. 06-2004)

Copy 1 – EPA
Copy 2 - Applicant copy

Form Approved OMB No. 2070-0060

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

5.12.10

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date 5/10/2010	EPA Reg No./File Symbol 87583-	Page 1 of 2
Applicant's/Registrant's Name & Address PureShield Inc., 1445 Jupiter Park, Suite 11, Jupiter, FL 33458	Product Bio-Protect AM500	

Ingredient 3-(Trimethoxysilyl)propyl dimethyl octadecyl ammonium chloride (71.2%) CAS No. 27668-52-6

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830 series	BioShield Technologies, Inc. (1997) Submission of	44279400	Bioshield Technologies	PER	
	Product Chemistry Data in Support of the Application				
	for Registration of AM500I and AM500 4 Studies				
830 series	BioShield Technologies, Inc. (1997) Product Identity and	44279401	Bioshield Technologies	PER	
	Composition of AM500I and AM500. Unublished Study				
	24 pp.				
830 series, Subgroup A	BioShield Technologies, Inc. (1997) Description of	44279402	Bioshield Technologies	PER	
	Materials and the Manufacturing Process of				
	AM 500 I and AM 500. Unpublished study. 24 p.				
830 series, Subgroup A	Berkner, J. (1997) Discussion of Formation of Impurities	44279403	Bioshield Technologies	PER	
	in AM 500 I and AM 500.				
830.6302, 830.6303, 830.6304	Wells, D. (1997) AM500--Conducting Product Chemistry	44279404	Bioshield Technologies	PER	
830.7300, 830.7100, 830.7000	Studies for an End-Use Product Following Product				
	Properties Test Guidelines: Final Report: Lab Project				
	Number: 97-3-6913:13637.1196.6100.880.				

Signature	Name and Title	Date
	Kevin Kutcel - Consultant	05/10/2010

EPA Form 8570-35 (9-97) Electronic and Paper versions available. Submit only Paper version.

Agency Internal Use Copy

Form Approved OMB No. 2070-0060

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

5.12.10

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DATA MATRIX

Date 5/10/2010	EPA Reg No./File Symbol 87583-	Page 2 of 2
Applicant's/Registrant's Name & Address PureShield Inc., 1445 Jupiter Park, Suite 1, Jupiter, FL 33458	Product Bio-Protect AM500	

Ingredient 3-(Trimethoxysilyl)propyl dimethyl octadecyl ammonium chloride (71.2%) CAS No. 27668-52-6

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830 series	BioShield Technologies, Inc. (1997) Submission of	44351900	Bioshield Technologies	PER	
	Product Chemistry Data in Support of the Application				
	for Registration of AM500I and AM500 3 Studies				

Signature	Name and Title	Date
	Kevin Kutcel - Consultant	05/10/2010

EPA Form 8570-35 (9-97) Electronic and Paper versions available. Submit only Paper version.

Agency Internal Use Copy

PROCESSING ELECTRONIC LABELS

(rev. 1/5/09, tch)

If e-label submitted via XML e-submission (not on CD-ROM), you may wish to find e-label in Documentum, save e-label to "My Documents", add e-label to ELL, start below at step 5.

Initial E-Label per application (on CD-ROM with paper via ITRMD)

[1] ITRMD receives paper submission w/ e-label on CD

[2] Tracking record added to OPPIN

[3] ITRMD adds e-label to ELL

[4] ITRMD sends paper submission to AD/BPPD/RD

[5] Connect ELL record with OPPIN S#

in-process

[6] Save copy of e-label from ELL to My Documents

[7] Review label
(if acceptable, skip to step 20)

[8] Add comments to e-label
(save; add "with comments" to filename

[9] Print annotated e-label
(use "Print with Filename")

review

[10] Send annotated e-label to registrant via email
(also send "How To Print")

[11] File print of annotated e-label and email in jacket

[12] Add annotated e-label to ELL

[13] Close submission in OPPIN

out-process

Resubmission (via email to staffer or PM)

[14] Receive email submission w/ e-label attached

[15] Add tracking record to OPPIN

[16] Add e-label to ELL

[17] Connect ELL record with OPPIN S#

in-process

[18] Save copy of e-labels (old & new) from ELL to My Documents

[19] Compare old and new labels with Acrobat

(if revisions needed repeat steps 8-19)

review

[20] Print e-label, stamp, write cover letter
(use "Print with Filename")

[21] Mail stamped label & cover letter to registrant

[22] File stamped label & cover letter in jacket

[23] Add cover letter to ELL
(mandatory if accepted with comments)

[24] Close submission in OPPIN

out-process

process - big picture
1- create OPPIN tracking
2- put label in ELL; link to S#
3- save ELL label to MyDocuments
4- compare / comment
5- outprocess

techniques to know
- filename for e-labels
- "print with filename"
- compare / comment
- printing with comments

FEE FOR SERVICE

-----Original Message-----
From: Randy Wall
Sent: Wednesday, April 28, 2010 11:37 AM
To: 'jamula.john@epa.gov'
Subject: Per our conversation this morning

I mistakenly used the wrong company name for this application.

The name used was Indusco Distribution of America, Inc.

It should have been

PureShield Inc.

All other information was correct. If you would make the change as we discussed.

Thanks for your help.

Randy

Note: John's number 703.305.6426

Best Regards,
Randy Wall
Chief Financial Officer
International Distribution Alliance

Cell Direct: 615-804-4140
Office: 561-747-5758

[redacted]
om: paygovadmin@mail.doc.twai.gov
[mailto:paygovadmin@mail.d[redacted]twai.gov]
Sent: Tuesday, April 27, 2010 3:40 PM
To: Randy Wall
Subject: Pay.Gov Payment Confirmation

THIS IS AN AUTOMATED MESSAGE. PLEASE DO NOT REPLY.

Your transaction has been successfully completed.

Transaction Summary

Application Name: PRIA Service Fees
Pay.gov Tracking ID: 250OC0EL
Agency Tracking ID: 74113745366

Account Holder Name: Joseph Raich
Transaction Type: Sale
Transaction Amount: $394.00
Billing Address: 1445 Jupiter Park 11
City: Jupiter
State/Province: FL
Zip/Postal Code: 33458
Country: USA
Card Type: Visa
Card Number: **********6120
Transaction Date: Apr 27, 2010 3:39:54 PM

Decision Number:
Registration Number:
Company Name: ~~Indusco Distribution of A~~ PureShield (See attached e-mail)
Company Number: 87583
Action Code: A531

E-mail message checked by Spyware Doctor (7.0.0.514)
Database version: 6.14870
http://www.pctools.com/en/spyware-doctor-antivirus/

4/29/2010

INHOLD LLC
1445 Jupiter Park Dr.
Suite 11
Jupiter, FL 33458

April 21, 2010

U.S. Environmental Protection Agency
Office of Pesticide Programs (H7505C)
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202-4501

Subject: Inhold, LLC Letter of Authorization for PureShield Inc. (Reg. No. 87583-)

To Whom It May Concern:

The following studies are owned by Inhold, LLC (company no. 70871) and this letter grants permission for PureShield Inc. (company no. 87583) to cite the following studies on their data matrices in support of the registration of their products, "Bio-Protect AM500" and "Bio-Protect 7200".

MRID No.	Study Title
44279400	BioShield Technologies, Inc. (1997) Submission of Product Chemistry Data in Support of the Applications for Registration for AM 500 I and AM 500. Transmittal of 4 Studies.
44279401	BioShield Technologies, Inc. (1997) Product Identity and Composition of AM 500 I and AM 500. Unpublished study. 14 p.
44279402	BioShield Technologies, Inc. (1997) Description of Beginning Materials and the Manufacturing Process of AM 500 I and AM 500. Unpublished study. 24 p.
44279403	Berkner, J. (1997) Discussion of Formation of Impurities in AM 500 I and AM 500. Unpublished study prepared by BioShield Technologies, Inc. 4 p.
44279404	Wells, D. (1997) AM500--Conducting Product Chemistry Studies for an End-Use Product Following Product Properties Test Guidelines: Final Report: Lab Project Number: 97-3-6913:13637.1196.6100.880. Unpublished study prepared by Springbor Laboratories, Inc. 44 p. {OPPTS 830.6302, 830.6303, 830.6304, 830.7300, 830.7100, & 830.7000}
44351900	BioShield Technologies, Inc. (1997) Submission of Product Chemistry Data in Support of the Applications for Registration for BioShield AM 500 and BioShield AM 500 I. Transmittal of 1 Study
44376000	BioShield Technologies, Inc. (1997) Submission of Product Chemistry Data in Support of the Application for Registration of BST Protectant Concentrate C15. Transmittal of 3 Studies.
44376001	BioShield Technologies, Inc. (1997) Product Identity of BST Protectant Concentrate C15. Unpublished study. 23 p.
44376002	BioShield Technologies, Inc. (1997) Certification of Limits and Analytical Method for

	Enforcement of Limits for BST Protectant Concentrate C15: Lab Project Number: 102196/830.6317/BIOSHIELD. Unpublished study. 11 p.
44376003	BioShield Technologies, Inc. (1997) Physical and Chemical Properties of BST Protectant Concentrate C15. Unpublished study. 4 p.
44376200	BioShield Technologies, Inc. (1997) Submission of Product Chemistry Data in Support of the Registration of BST Protectant 50. Transmittal of 3 Studies.
44376201	BioShield Technologies, Inc. (1997) Product Identity of BST Protectant 50. Unpublished study. 23p.
44376202	BioShield Technologies, Inc. (1997) Certification of Limits and Analytical Method for Enforcement o f Limits for BST Protectant 50. Unpublished study. 11 p.
44376203	BioShield Technologies, Inc. (1997) Physical and Chemical Properties of BST Protectant 50. Unpublished study. 4 p
44379400	BioShield Technologies, Inc. (1997) Submission of Product Chemistry Data in Support of Application for the Registration of BST Protectant 75. Transmittal of 3 Studies.
44379401	BioShield Technologies, Inc. (1997) Product Identity of BST Protectant 75. Unpublished study. 23 p.
44379402	BioShield Technologies, Inc. (1997) Certification of Limits and Analytical Method for Enforcement of Limits for BST Protectant 75. Unpublished study. 11 p.
44379403	BioShield Technologies, Inc. (1997) Physical and Chemical Properties of BST Protectant 75. Unpublished study. 4 p.
44385100	BioShield Technologies, Inc. (1997) Submission of Product Chemistry Data in Support of the Application for Registration of BST Kleen Air 05. Transmittal of 3 Studies.
44385101	BioShield Technologies, Inc. (1997) Product Identity of BST Kleen Air 05. Unpublished study. 31p.
44385102	BioShield Technologies, Inc. (1997) Certification of Limits and Analytical Method for Enforcement of Limits for BST Kleen Air 05: Lab Project Number: 102196/830.6317/BIOSHIELD. Unpublished study. 12 p
44385103	BioShield Technologies, Inc. (1997) Physical and Chemical Properties of BST Kleen Air 05. Unpublished study. 4 p.
44385200	BioShield Technologies, Inc. (1997) Submission of Product Chemistry Data in Support of the Application for Registration of BST Fabric Softener 175. Transmittal of 3 Studies.
44385201	BioShield Technologies, Inc. (1997) Product Identity of BST Fabric Softener 175. Unpublished study. 67 p
44385202	BioShield Technologies, Inc. (1997) Certification of Limits and Analytical Method for Enforcement of Limits for BST Fabric Softener 175. Unpublished study. 12 p.
44385203	BioShield Technologies, Inc. (1997) Physical and Chemical Properties of BST Fabric Softener 175. Unpublished study. 4 p.
44385300	BioShield Technologies, Inc. (1997) Submission of Product Chemistry Data in Support of the Application for Registration of BST Carpet and Upholstery Cleaner Aerosol 25. Transmittal of 3 Studies.
44385301	BioShield Technologies, Inc. (1997) Product Identity of BST Carpet and Upholstery Cleaner Aerosol 25. Unpublished study. 41 p.
44385302	BioShield Technologies, Inc. (1997) Certification of Limits and Analytical Method for Enforcement of Limits for BST Carpet and Upholstery Cleaner Aerosol 25. Unpublished study. 11 p.
44385303	BioShield Technologies, Inc. (1997) Physical and Chemical Properties of BST Carpet and Upholstery Cleaner Aerosol 25. Unpublished study. 4 p.
44385600	Bioshield Technologies, Inc. (1997) Submission of Product Chemistry Data in Support

	of the Application for Registration of BST Mold and Mildew Remover and All Purpose Cleaner 25. Transmittal of 3 Studies.
44385601	BioShield Technologies, Inc. (1997) Product Identity of BST Mold and Mildew Remover & All Purpose Cleaner 25. Unpublished study. 68 p.
44385602	BioShield Technologies, Inc. (1997) Certification of Limits and Analytical Method for Enforcement of Limits for BST Mold and Mildew Remover & All Purpose Cleaner 25. Unpublished study. 12 p.
44385603	BioShield Technologies, Inc. (1997) Physical and Chemical Properties of BST Mold and Mildew Remover & All Purpose Cleaner 25. Unpublished study. 4 p.
44385700	BioShield Technologies, Inc. (1997) Submission of Product Chemistry Data in Support of the Application for Registration of BST Carpet and Upholstery Concentrate C15. Transmittal of 3 Studies.
44385701	BioShield Technologies, Inc. (1997) Product Identity of BST Carpet and Upholstery Cleaner Concentrate C15. Unpublished study. 47 p.
44385702	BioShield Technologies, Inc. (1997) Certification of Limits and Analytical Method for Enforcement of Limits for BST Carpet and Upholstery Cleaner Concentrate C15: Lab Project Number: 102196/830.6317/BIOSHIELD. Unpublished study. 12 p
44385703	BioShield Technologies, Inc. (1997) Physical and Chemical Properties of BST Carpet and Upholstery Cleaner Concentrate C15. Unpublished study. 4 p.
44386000	BioShield Technologies, Inc. (1997) Submission of Product Chemistry Data in Support of the Application for Registration of BST Carpet and Upholstery Cleaner 25. Transmittal of 3 Studies
44386001	BioShield Technologies, Inc. (1997) Product Identity of BST Carpet and Upholstery Cleaner 25 Unpublished study. 37 p.
44386002	BioShield Technologies, Inc. (1997) Certification of Limits and Analytical Method for Enforcement of Limits for BST Carpet and Upholstery Cleaner 25: Lab Project Number: 102196/830/6317/BIOSHIELD. Unpublished study. 11 p
44386003	BioShield Technologies, Inc. (1997) Physical and Chemical Properties of BST Carpet and Upholstery Cleaner 25. Unpublished study. 4 p
44553500	BioShield Technologies, Inc. (1998) Submission of Toxicity Data in Support of the Application for Registration of BioShield AM 500 and BioShield 500 I. Transmittal of 1 Study.
44553501	Kuhn, J. (1998) Primary Eye Irritation Study in Rabbits: AM500: Final Report: Lab Project Number: 4263-98. Unpublished study prepared by Stillmeadow Inc. 21 p.
44789800	BioShield Technologies, Inc. (1999) Submission of Toxicity Data in Support of the Application for Registration of BST Protectant 50. Transmittal of 1 Study.
44789801	Kuhn, J. (1999) Primary Eye Irritation Study in Rabbits: AM 500: Final Report: Lab Project Number: 4842-98. Unpublished study prepared by Stillmeadow, Inc. 17 p. {OPPTS 870.2400}
44789900	BioShield Technologies, Inc. (1999) Submission of Toxicity Data in Support of the Application for Registration of BST Protectant Concentrate C15. Transmittal of 1 Study
44789901	Kuhn, J. (1999) Primary Eye Irritation Study in Rabbits: (BST Protectant Concentrate C15): Final Report: Lab Project Number: 4841-98. Unpublished study prepared by Stillmeadow, Inc. 17 p. (OPPTS 870.2400)
44876600	BioShield Technologies, Inc. (1999) Submission of Product Chemistry Data in Support of the Application for Registration of BioShield AMS 1860. Transmittal of 3 Studies.
44876601	Wells, D. (1999) AMS 1860-Preliminary Analysis: Lab Project Number: 13637.6119: 4.3.07(2). Unpublished study prepared by Springborn Laboratories, Inc. 51 p.

	{OPPTS. 830.1700}
44876602	Damico, J. (1999) AMS 1860-Certified Limits. Unpublished study prepared by BioShield Technologies, Inc. 4 p. {OPPTS. 830.1750}
44876603	Wells, D. (1999) AMS 1860-Product Chemistry Testing Test Guidelines, Series 830: Lab Project Number: 13637.6118. Unpublished study prepared by Springborn for an End-Use Product Following Product Properties Laboratories, Inc. 47 p. {OPPTS. 830.6302, 830.6303, 830.6304, 830.6315, 830.7300, 830.7100, 830.7000)
44885900	Bioshield Technologies, Inc. (1999) Submission of Product Chemistry Data in Support of the Application for Registration of Bioshield AMS 1860. Transmittal of 2 Studies.
44885901	Damico, J. (1999) Product Identity and Disclosure of Ingredients, Description of Beginning Materials and Manufacturing Process, and Discussion of the Formation of Impurities: AMS-1860. Unpublished study prepared by SciReg, Inc. 73 p. {OPPTS 830.1550, 830.1620, 830.1670}
44885902	Wells, D. (1999) AMS 1860--Determination of the Boiling Point: Lab Project Number: 13637.6120. Unpublished study prepared by Springborn Laboratories. 25 p. {OPPTS 830.7200}
44929100	BioShield Technologies, Inc. (1999) Submission of Product Chemistry Data in Support of the Application for Registration of AMS 1860. Transmittal of 1 Study.
44929101	Ward, T.; Rondon, C.; Boeri, R. (1999) AMS 1860: Determination of Stability at Normal and Elevated Temperatures and in the Presence study prepared by T.R. Wilbury Labs., Inc. 40 p. {OPPTS 830.6313}of Metals and Metal Ions: Lab Project Number: 1853-BS. Unpublished
44972400	BioShield Technlogies, Inc. (1999) Submission of Product Chemistry Data in Support of the Application for Registration of BSTI 1860. Transmittal of 1 Study.
44972401	Damico, J. (1999) BSTI 1860: Product Identity and Disclosure of Ingredients, Description of Beginning Materials and Manufacturing Process, and Discussion of the Formation of Impurities. Unpublished study prepared by SciReg, Inc. 43 p. {OPPTS 830.1550, 830.1620,830.1620, 830.1670, 830.1750}
45121300	BioShield Technologies, Inc. (2000) Submission of Product Chemistry and Toxicity Data in Support of the Application for Registration of AM 3651PI. Transmittal of 8 Studies
45121301	Smith, F. (2000) AM 3651PI: Product Identity and Composition, Description of Beginning Materials, Description of Formula Process, Discussion of the Formation of Impurities, and Certified Limits. Unpublished study prepared by SciReg, Inc. 40 p. {OPPTS 830.1550, 830.1600, 830.1650, 830.1670, 830.1750}
45121302	Wells, D. (1999) AM 3651PI--Determination of Storage Stability: Lab Project Number: 13637.0897.6107.865: 13637.6107. Unpublished study prepared by Springborn Labs., Inc. 36 p. {OPPTS 830.6317}
45121303	Kuhn, J. (1999) AM 3651PI: Acute Oral Toxicity Study in Rats: Final Report: Lab Project Number: 4850-98. Unpublished study prepared by Stillmeadow, Inc. 24 p. {OPPTS 870.1100}
45121304	Kuhn, J. (1999) AM 3651P: Acute Dermal Toxicity Study in Rabbits: Final Report: Lab Project Number: 4851-98. Unpublished study prepared by Stillmeadow, Inc. 22 p. {OPPTS 870.1200}
45121305	Bennick, J. (1999) AM 3651P: Acute Inhalation Toxicity Study in Rats: Final Report: Lab Project Number: 4852-98. Unpublished study prepared by Stillmeadow, Inc. 36 p. {OPPTS 870.2400}
45121306	Kuhn, J. (1999) AM 3651P: Primary Dermal Irritation Study in Rabbits: Final Report: Lab Project Number: 4854-98. Unpublished study prepared by Stillmeadow, Inc. 13 p. {OPPTS 870.2400}

45121307	Kuhn, J. (1999) AM 3651P: Primary Dermal Irritation Study in Rabbits: Final Report: Lab Project Number: 4854-98. Unpublished study prepared by Stillmeadow, Inc. 13 p. {OPPTS 870.2500}
45121308	Kuhn, J. (1999) AM 3651P: Dermal Sensitization Study in Guinea Pigs: Final Report: Lab Project Number: 4855-98. Unpublished study prepared by Stillmeadow, Inc. 18 p. {OPPTS 870.2600}
45245700	BioShield Technologies, Inc. (2000) Submission of Product Chemistry Data in Support of the Application for Registration of AM 3651P1. Transmittal of 1 Study.
45245701	Damico, J. (2000) AM 3651P1: Physical-Chemical Characteristics. Unpublished study prepared by SciReg,Inc. 7 p. {OPPTS 830.6302, 830.6303, 830.6304, 830.7000, 830.7100, 830.7300, 830.6315, 830.6320}
45347600	Bioshield Technologies, Inc. (2001) Submission of Efficacy Data in Support of the Application for Registration AM 3651P. Transmittal of 2 Studies.
45347601	Snyder, A. (1999) AOAC Use-Dilution Method: AM 3651P: Final Study Report: Lab Project Number: 7361/SRC021099.UD: 7669/SRC061099.UD. Unpublished study prepared by ViroMed Biosafety Labs. 15
45347602	Onstad, B. (2000) Germicidal and Detergent Sanitizing Action of Disinfectants: AM 3651P: Final Study Report: Lab Project Number: 7457: SRC050699.SAN. Unpublished study prepared by ViroMed Biosafety

Please do not hesitate to contact me or our agent, Mr. Kevin Kutcel at 440-263-7305 if you should have any questions regarding this authorization.

Best Regards,

Mr. Joseph Raich, Manager 4-21-2010

Mr. Andrew Robinson, Manager
21/04/2010

PURESHIELD, INC.

March 9, 2010

U.S. Environmental Protection Agency
Office of Pesticide Programs (COADR)
Document Processing Desk (7504P)
One Potomac Yard – Room S4900
2777 S. Crystal Drive
Arlington, VA 22202

RE: Authorization for Representation / Agent Status

Pursuant to 40 CFR 152.50(b)(3), we hereby designate Kevin Kutcel of KRK Consulting LLC as an Authorized Agent to act in behalf of PureShield LLC with respect to all registration matters that may come before the Agency. The address of record for all matters related to FIFRA will be:

PURESHIELD INC
c/o Kevin Kutcel
KRK Consulting LLC
5807 Churchill Way
Medina, OH 44256

Contact: Kevin Kutcel - Tel. 440-263-7305

This authorization will remain valid until further notice is given by either PURESHIELD or KRK Consulting LLC.

If you have any questions, please contact KRK Consulting LLC at 440-263-7305.

Sincerely,

Randy Wall
CFO
PURESHIELD INC

Cc: Kevin Kutcel – KRK Consulting LLC

Material Sent for Data Extraction

Reg # 87583-2

Description: _____

☑ Material(s) Sent to Data Extraction Contractors:

- ☐ New Stamped Label Dated _____
- ☑ Notification Dated _____
- ☐ New CSF(s) Dated _____
- ☐ Other: _____

☑ Decision #: 448159

☐ Other Action/Comments: _____

_____

Attach this coversheet to the top of the material or jacket. It must be well organized and clipped together, NOT STAPLED. Then give the material with this coversheet to staff in the Information Services Center (Room S-4900).

Reviewer: E. Odiembo

Phone: 308-1999 Division: AD

Date: _____

Created February 3, 2011